

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 1 | Type H | Section 3 |
|-------------|------------|-----------|-----------|-----------|--------------|

| | | |
|----------------|------|----------------------|
| Date 8/2/14 | Time | Observers SCT/JBJ |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | Color | Accessories | Core Disturbance | Description | |
|------|---------------|----------|---------------------|--------------------|---|----|----|---|-------|-------------|------------------|---------------------------------------|--|
| | | | | w | m | vp | bl | r | | | | | a |
| 0 | [Redacted] | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | Black-gray banded, organic-rich clay. | |
| 20 | | | | | | | | | | | | | Soupy - waterlogged and distorted surface. |
| 30 | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | |

N/2.5
10Y
4/1

soupy

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| Exp. | Site | Hole | Core | Type | Section |
|------|------|------|------|------|---------|
| 347 | 63 | D | 2 | H | 1 |

| Date | Time | Observers |
|--------|-------|-----------|
| 8/2/14 | 19:25 | JB/CSJ |

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|--|---------------|----------|---------------------|-------------------|---|---|----|---|---------------------------|-------------|------------------|--|
| | | | | w | m | v | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | | | | | | 3/ 100 N | | | VERY DARK GRAY, CLAY, WEAK LAMINATION BY COLOR, MM SCALE, HEAVILY DISTURBED TO SOUPY, VERY WELL SORTED, MANY CASBALE VOIDS DUE TO GAS EXHAPE. |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 2 | Type H | Section 2 |
|-------------|------------|-----------|-----------|-----------|--------------|


| | | |
|----------------|---------------|------------------------|
| Date 8/2/14 | Time 19:30 | Observers JBZ / CSJ |
|----------------|---------------|------------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness <small>w m vp bl r a</small> | Color | Accessories | Core Disturbance | Description |
|--|---------------|----------|---------------------|--|-----------------------------|-------------|------------------|--|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | | <p>3 / N</p> <p>4 / 10%</p> | | | <p>DA1</p> <p>VERY DARK GRAY — DARK GREENISH GRAY, CLAY, WEAK LAMINATION BY COLOR, CM SCALE, SULPHIDE COLORING.</p> <p>HEAVILY DISTURBED TO SOUPY, MANY CRACKS AND VOIDS DUE TO GAS ESCAPE.</p> <p>VERY WELL SORTED.</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 2 | Type H | Section 3 |
|-------------|------------|-----------|-----------|-----------|--------------|

| | | |
|----------------|---------------|--------------------|
| Date 8/2/14 | Time 14:35 | Observers JB/MS |
|----------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|-------------------|---|----|----|---|------------------------|-------------|------------------|--|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | | | | N 1/5 5/4 5/2 | | | BLACK FRESH COLOR OLIVE GRAY OXIDISED COLOR, OXIDISED ALONG CRACKS AND CORELINER 50% WEAK LAMINATION BY COLOR, CLAY, VERY WELL SORTED, SLIGHTLY DISTURBED. |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 3 | Type H | Section 1 |
|-------------|------------|-----------|-----------|-----------|--------------|


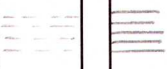
| | | |
|----------------|------|----------------------|
| Date 8/2/14 | Time | Observers SCJ/SBJ |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness w m vp bl r a | Color | Access ories | Core Disturbance | Description |
|--|---------------|----------|---------------------|--|-------|--------------|------------------|--|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | | | | soupy | Soupy, water logged, broken and distorted. Black, organic rich clay. |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| Exp. | Site | Hole | Core | Type | Section |
|------|------|------|------|------|---------|
| 347 | 63 | D | 3 | H | 3 |

| Date | Time | Observers |
|--------|------|-----------|
| 8/2/14 | | SCJ/SBJ |

| [cm] | Graphic Lith. | Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|---|-------|----------|---|-------------|------------|-------|-------------|----------------------|--|
| | | | | | w m vp bl r | a | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | |  | | | | | VOID poor VOID | Black, organic-rich clay well sorted, some faint mm-scale lamination but distorted as core is highly broken and cracked across surface |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 5 | Type H | Section 1 |
|-------------|------------|-----------|-----------|-----------|--------------|

| | | |
|----------------|------|--------------------|
| Date 2/9/14 | Time | Observers MK/SP |
|----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure | Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|------|---------------|----------|-----------|---------|-------------------|---|----|----|---|-------|-------------|------------------|-------------|
| | | | | | w | m | vp | bl | r | | | | |
| 0 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | 51 | | | |
| 60 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | 116 | | | |
| 110 | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | |

VOID



IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 5 | Type H | Section 2 |
|-------------|------------|-----------|-----------|-----------|--------------|

| | | |
|----------------|------|--------------------|
| Date 2/9/14 | Time | Observers MK/SP |
|----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|------|------------------------------|----------|---------------------|---------------|------------|-------|-------------|------------------|---|
| | | | | w m vp bl r a | | | | | |
| 0 | [Photograph of core section] | | ↑ ↓ | | | | | | Blade (N2.5) clay; weak laminat ⁿ by color; oxidation along cracks and voids, especially at 29-41 cm. |
| 10 | | | | | | | | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 6 | Type H | Section 2 |
|-------------|------------|-----------|-----------|-----------|--------------|


| | | |
|-------------------|---------------|--------------------|
| Date 07 Dec 14 | Time 09:50 | Observers MK/SP |
|-------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|-------|----------------------|----------|---------------------|-------------------|---|----|----|---|-------|-------------|--|-------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 | [Photograph of core] | | | | | | | | | | <ul style="list-style-type: none"> • b/cmt organic - void clay • Lamination by color mm-scale (weat visible) • very well sorted 1/2 • alot of cracks and voids 1/2 → degassing + expansion • smeared core surface • oxidized along cracks and core line 1/2 • syringe mark at 83-88 | |
| 10 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| 83-88 | | | | N syringe mark | | | | | | | | |
| 90 | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 7 | Type H | Section CC |
|-------------|------------|-----------|-----------|-----------|---------------|

| | | |
|------------------|---------------|--------------------|
| Date 09.02.14 | Time 10:30 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|--|-------|-------------|------------------|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | | | 3. bluish organic-rich clay . very well sorted (M.S.) - highly disturbed - w sed. features visible • oxidized along core line and cracks |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 8 | Type H | Section 1 |
|-------------|------------|-----------|-----------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 07 07 14 | Time 10:40 | Observers MUISP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | | | Color | Accessories | Core Disturbance | Description |
|------|---------------|----------|---------------------|--------------------|---|----|----|---|---|--|-------|-------------|------------------|--|
| | | | | w | m | vp | bl | r | a | | | | | |
| 0 | 0% | | X void | | | | | | | | | | | 3 - blank organic-void clay (0.5) - very well sorted - highly disturbed due to degassing (expansion) 3 - no sed. structures visible - oxidized along cracks and cracks 127-150cm (olive) . 3 3 3 |
| 10 | | | X void | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|-----------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 9 | Type H | Section 1 |
|-------------|------------|-----------|-----------|-----------|--------------|

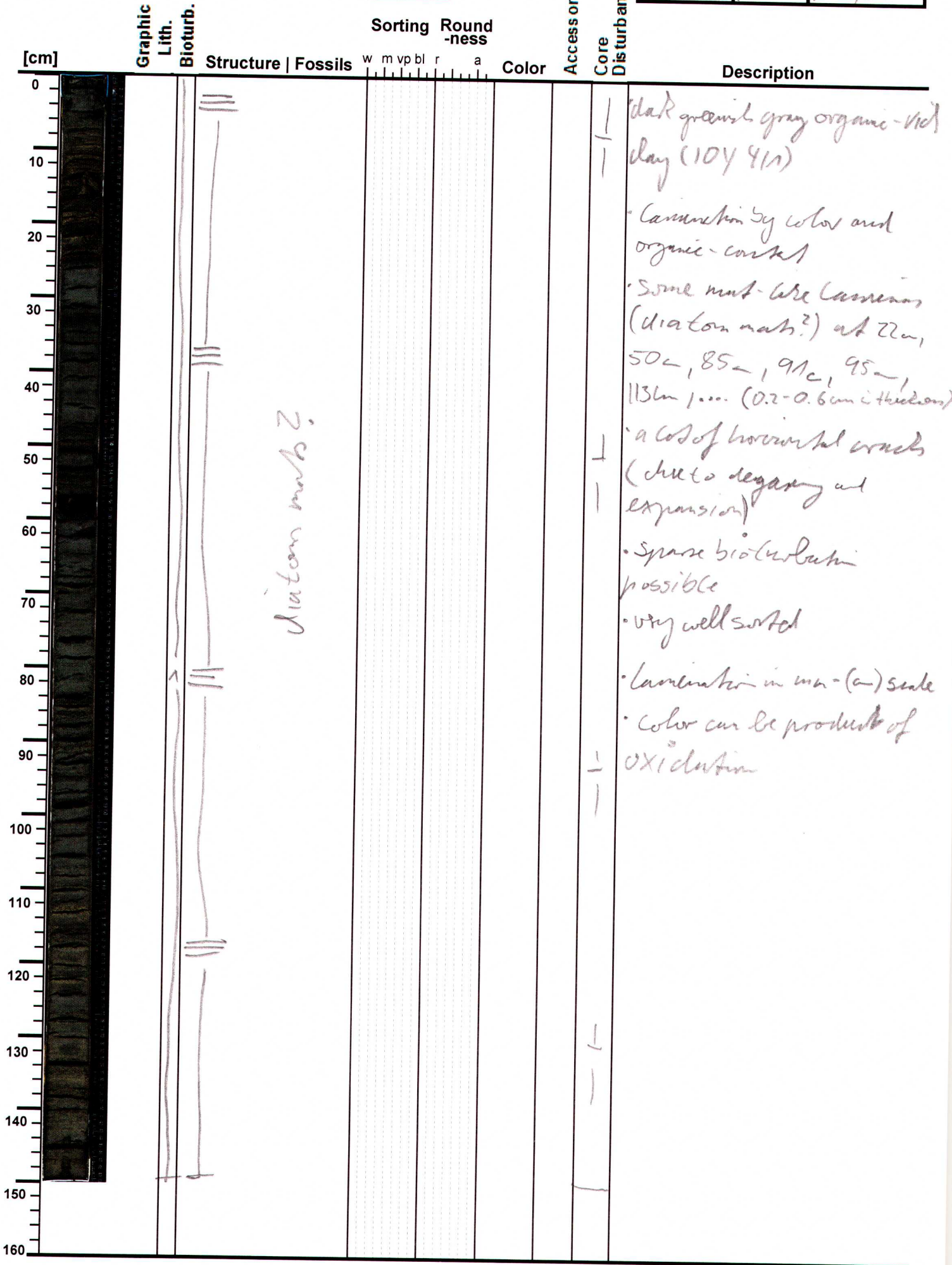
| | | |
|----------------|------|--------------------|
| Date 2/9/14 | Time | Observers MK/SP |
|----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|---------------|----------|---------------------|------------------------------------|-------|-------------|--|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | | | | <div style="text-align: center;"> </div> | <p>Black (N2.5) clay</p> <p>0-17 cm: highly disturbed by coring</p> <p>17-150 cm: numerous gas expansion voids; locally very weak color bands visible</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 10 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 09.02.14 | Time 11:50 | Observers MK/SP |
|------------------|---------------|--------------------|



IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

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|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 11 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|



| | | |
|----------------|------|--------------------|
| Date 2/9/14 | Time | Observers MK/SP |
|----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Roundness | Color | Accessories | Core Disturbance | Description |
|------|----------------------|----------|---------------------|-------------|-----------|-------|-------------|------------------|-------------------------|
| | | | | w m vp bl r | a | | | | |
| 0 | [Photograph of core] | | ↑ | | | | | | Dark gray (5Y 4/1) |
| 10 | | | | | | | | | laminated clay; |
| 20 | | | | | | | | | lamination by |
| 30 | | | | | | | | | color and composition |
| 40 | | | | | | | | | structure: "mat" like |
| 50 | | | | | | | | | 77-106 cm: completely |
| 60 | | | | | | | | | oxidized to olive color |
| 70 | | | | | | | | | lamination is mm-scale |
| 80 | | | | | | | | | bioturbation is absent |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 11 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|----------------|------|--------------------|
| Date 2/9/14 | Time | Observers MK/JP |
|----------------|------|--------------------|

| [cm] | Graphic Lith. | Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | | Color | Accessories | Core Disturbance | Description |
|------|---|-------|----------|---|--------------------|---|----|----|---|---|-------|-------------|------------------|---|
| | | | | | w | m | vp | bl | r | a | | | | |
| 0 |  | | 0 |  | | | | | | | | | | 0-1 cm: void |
| 10 | | | | | Dark gray (5Y 4/1) | | | | | | | | | |
| 20 | | | | | | | | | | | | | | laminated clay, mm-scale laminae by color and structure ("mat"-like) |
| 30 | | | | | | | | | | | | | | bioturbation is absent |
| 40 | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 12 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 09.02.14 | Time 12:50 | Observers MU/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|------|---------------|-------|----------|---------------------|---------|------------|-------|-------------|------------------|--|
| 0 | | | | | | | | | | olive gray to dark greenish gray organic-rich clay (to the bottom black but oxidized to olive) (5/4/2) |
| 10 | | | | | | | | | | |
| 20 | | | | | | | | | | very well sorted |
| 30 | | | | | | | | | | lamination by color and organic content |
| 40 | | | | | | | | | | mat-like laminae 0.2-0.5 cm thickness |
| 50 | | | | | | | | | | 50-96 cm contamination from side |
| 60 | | | | | | | | | | 0-50 cm slumping & breaching or perhaps disturbance from drilling? |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | lamina thickness varies from mm to cm scale |
| 90 | | | | | | | | | | a lot of horizontal cracks due to expansion and degassing |
| 100 | | | | | | | | | | sample not at 145-150 cm |
| 110 | | | | | | | | | | strongly oxidized along core but not cracks (olive) |
| 120 | | | | | | | | | | 129-130 cm microfossil lamina? + 141-142 cm + 100 cm + 80 cm (one crack) or manganese precipitation? |
| 130 | | | | | | | | | | |
| 140 | | | | | | | | | | |
| 150 | | | | | | | | | | |
| 160 | | | | | | | | | | |

slumping of convoluted beds (possibly self breaching?)

contamination from side

microfossil lamina? or manganese precipitation?

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 12 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

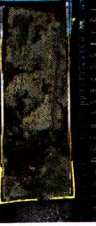
| | | |
|------------------|---------------|--------------------|
| Date 09/07/14 | Time 13:05 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|---------------|-------|----------|--|---------------|------------|-------|-------------|------------------|---|
| | | | | | w m vp bl r a | | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | <p style="text-align: center; margin-top: 50px;">MICRO fossil laminae?</p> | | | | | | <p>olive organic-rich clay (5/4/3) → perhaps oxidized so color is not the real color</p> <ul style="list-style-type: none"> • very well sorted • a lot of horizontal cracks (expansion + degassing) • mat-like laminae • micro fossil laminae at 31cm, 36cm, 77-78cm, 85cm, 95-96cm (whitish sand grain- size) or manganese precipitations • oxidation along coal lines and cracks |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 12 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|------------------|---------------|--------------------|
| Date 09/02/14 | Time 13:15 | Observers M4/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting w m vp bl r a | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|--------------------------|------------|-------|-------------|------------------|--|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | | | | <ul style="list-style-type: none"> • olive to dark gray organic silty clay - very well sorted - highly disturbed • laminae possible but not visible - oxidized (mostly) |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 13 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 01.02.14 | Time 13:45 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure | Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|------|------------------------------|----------|-----------|---------|---------|------------|-------|-------------|------------------|---|
| 0 | [Photograph of core section] | | | | | | | | | 0-84 cm |
| 10 | | | | | | | | | | • very dark greenish gray organic-rich clay (10Y 3/1) |
| 20 | | | | | | | | | | • very well sorted |
| 30 | | | | | | | | | | • strongly deformed possible |
| 40 | | | | | | | | | | core disturbed due to |
| 50 | | | | | | | | | | drillage or primary sediment structure |
| 60 | | | | | | | | | | • cracks due to degrading/expansion |
| 70 | | | | | | | | | | |
| 80 | | | | | | | | | | 84-106 cm (10Y 4/1) |
| 90 | | | | | | | | | | • dark gray organic-rich clay |
| 100 | | | | | | | | | | • lamination by color (mm-scale) |
| 110 | | | | | | | | | | • very well sorted |
| 120 | | | | | | | | | | • syringe mark at bottom |
| 130 | | | | | | | | | | • strongly oxidized |
| 140 | | | | | | | | | | • cracks due to degrading/expansion |
| 150 | | | | | | | | | | |
| 160 | | | | | | | | | | |

strongly deformed
(due to drill or primary sediment texture?)

lamination by
color (mm-scale)

syringe
mark

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 13 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|--------------|-------------------|
| Date 09.02.14 | Time 3:55 | Observers MUSP |
|------------------|--------------|-------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure | Fossils | Sorting | Roundness | Color | Accessories | Core Disturbance | Description |
|--|---------------|----------|-----------|---------|---------|-----------|-------|-------------|------------------|--|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | | | | | | | <p>... • very dark greenish gray organic-rich clay (10y 3/1)</p> <p>• Lamination by color and organic content</p> <p>• mud-like laminae (dike(?)?)</p> <p>• some laminae with sand sized wavy grains → manganese precipitates?</p> <p>... • very well sorted</p> <p>• slightly disturbed</p> <p>• some horizontal cracks due to degassing / expansion</p> <p>• possible strongly oxidized and original color is darker</p> <p>... ...</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 13 | Type H | Section 3 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 09 02 14 | Time 14:00 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|---------------|----------|--|--|-------|-------------|------------------|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | <p style="text-align: center;">A spongy mark</p> | | | | | <ul style="list-style-type: none"> • black organic-rich clay (M25) • Lamination by color and organic content • not like laminas • oxidized along core line and cracks (olive) • very well sorted |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 14 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|----------------|------|--------------------|
| Date 2/9/14 | Time | Observers MK/SP |
|----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure | Fossils | Sorting Round-ness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|---------------|----------|-----------|---------|--|-------|-------------|------------------|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | | | | | | <p>Very dark gray (N3) clay; weak lamination by color between black and greenish gray, on a ~cm-scale</p> <p>Some oxidation along core lines and cracks at 0-19 cm.</p> <p>- General mottled appearance</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 14 | Type H | Section 3 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|----------------|------|--------------------|
| Date 2/9/14 | Time | Observers MK/SP |
|----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|--|--|----------|---------------------|-------------------|---|----|----|---|-------|-------------|--|-------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | | | | | | <p>Very dark gray (N3) clay, gradually changing downward to ^{dark} greenish gray clay (10Y 4/1); weak lamination by color on a ~1cm scale</p> <p>- Several gas expansion cracks are present</p> <p>- general mottled appearance</p> | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 15 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCJ/SBJ |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | | Color | Accessories | Core Disturbance | Description |
|--|-----------------------------|----------|---------------------|--------------------|---|----|----|---|---|-------|-------------|------------------|--|
| | | | | w | m | vp | bl | r | a | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | [Photograph of core sample] | | | | | | | | | N/S | | | <p>Gray clay. Well sorted, Heavily water logged and broken along expansion cracks, which occur throughout, No visible internal structure</p> <p style="text-align: center; font-style: italic;">soupy & poor</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 15 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCS/JSJ |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | Color | Accessories | Core Disturbance | Description |
|--|--|----------|---------------------|--------------------|---|----|----|---|-------|-------------|---|-------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | | | | | | <p>Grey clay. Well sorted. water-rich and fragmented on the surface.</p> <p>No visible internal structure</p> | |
| | | | | | | | | | N/S | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 16 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|----------------|---------------|----------------------|
| Date 9/2/14 | Time 15:50 | Observers JBJ/cst |
|----------------|---------------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|------|-----------------------------|----------|---------------------|-------------------|---|----|----|---|-------|-------------|------------------|---|
| | | | | w | m | vp | bl | r | | | | |
| 0 | [Photograph of core sample] | | | | | | | | | | | <p>GRAY, CLAY, VERY WELL SORTED, HEAVILY - SOUPY DISTURBED. FULL OF SMALL VOIDS.</p> |
| 10 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | |

10/4
~~5/1~~
 5/12

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IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 16 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

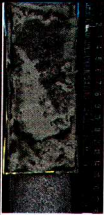
| | | |
|----------------|---------------|----------------------|
| Date 9/2/14 | Time 12:55 | Observers JBT/CST |
|----------------|---------------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|------|--|----------|---------------------|-------------------|---|----|----|---|-------|-------------|------------------|---|
| | | | | w | m | vp | bl | r | | | | |
| 0 |  | | | | | | | | 5/N | | ~ ~ ~ | GRAY, CLAY, MASSIVE VERY WELL SORTED HEAVILY DISTURBED. |
| 10 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 16 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|


| | | |
|----------------|---------------|-----------|
| Date 9/2/14 | Time 15:57 | Observers |
|----------------|---------------|-----------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Roundness | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|---------------|-----------|-------|-------------|------------------|---|
| | | | | w m vp bl r a | | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | 5/N | | | GRAY, CLAY, VERY WELL SORTED HEAVILY DISTURBED. |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 17 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SJS/JBS |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting w m vp bl r a | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|--|----------|---------------------|--------------------------|------------|---------------------|-------------|------------------|--|
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">30</div> <div style="margin-bottom: 5px;">40</div> <div style="margin-bottom: 5px;">50</div> <div style="margin-bottom: 5px;">60</div> <div style="margin-bottom: 5px;">70</div> <div style="margin-bottom: 5px;">80</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">160</div> </div> |  | | | | | <p>10G4 S/1</p> | | | <p>Soupy, heavily distorted clay. Grey-green colour. well sorted.</p> <p>Surface heavily degraded - no visible internal structure.</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 17 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCT/SBS |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|------|---------------|----------|---------------------|-------------|------------|-------|-------------|------------------|---|
| | | | | w m vp bl r | a | | | | |
| 0 | | | | | | 104Y | | | Gray clay, Well sorted. |
| 10 | | | | | | 5/1 | | | Heavily degraded and broken (along expansion cracks?) Some smearing likely from splitting |
| 20 | | | | | | | | | - no clear internal structure |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |
| | | | | | | | VOID | 57.5 - 59 cm | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 18 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCT/JBT |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting w m vp bl r a | Round-ness | Color | Access ories | Core Disturbance | Description |
|--|---|----------|---------------------|--------------------------|------------|-------|--------------|------------------|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | N/S | | mod | Gray clay. well sorted some med sand-silt patches. smeared surface with cavities along edge. |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 19 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|----------------|---------------|----------------------|
| Date 9/2/14 | Time 17:45 | Observers JBJ/CSS |
|----------------|---------------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|------|------------------------------|----------|---------------------|-------------------|---|----|----|---|-------|-------------|------------------|---|
| | | | | w | m | vp | bl | r | | | | |
| 0 | [Photograph of core section] | | | | | | | | | | | GRAY, CLAY, WEAK CONTENT OF SAND GRAINS FINE, SOOPY, VERY WELL SORTED, |
| 10 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | GRAY CLAY, MODERATELY HEAVILY DISTURBED CONTORTED SEDIMENT, SLUMPED? VERY WELL SORTED |
| 50 | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | |

N/5

34

N/5

1

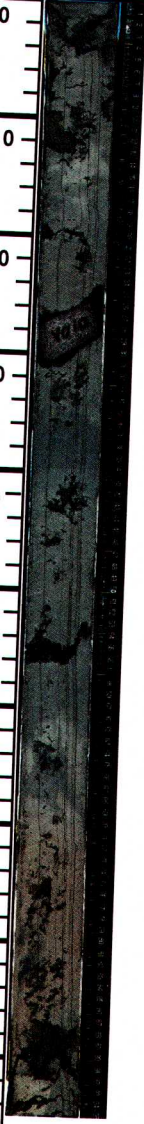
10/12

5/1

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 19 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|----------------|---------------|----------------------|
| Date 9/2/14 | Time 19:50 | Observers JBJ/CST |
|----------------|---------------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description | |
|------|--|----------|---------------------|-------------------|---|----|----|---|-------|-------------|------------------|---------------------|---|
| | | | | w | m | vp | bl | r | | | | | a |
| 0 |  | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | GRAY, CLAY. | |
| 20 | | | | | | | | | | | | SLIGHTLY DISTURBED. | |
| 30 | | | | | | | | | | | | CONTORTED. BY | |
| 40 | | | | | | | | | | | | COLOR, SLUMPED? | |
| 50 | | | | | | | | | | | | VERY WELL SORTED. | |
| 60 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | |

N5
1
1042
3/1

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 20 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|----------------|---------------|---------------------|
| Date 9/2/14 | Time 18:00 | Observers JB/CST |
|----------------|---------------|---------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|--|-----------------------------|----------|---------------------|-------------------|---|----|----|------------------------------|-------|-------------|--|-------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | [Photograph of core sample] | | | | | | | | | | <p>GRAY, CLAY, UPPERMOST 50CM, SOOPY REST MODERATELY DISTURBED, VERY WELL SORTED, CONTORTED SLUMPS</p> | |
| | | | | | | | | <p>N/Y 7,54R 5/1</p> | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 20 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|----------------|---------------|----------------------|
| Date 9/2/14 | Time 18:00 | Observers JBS/CST |
|----------------|---------------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|--|----------|---|---------------------------------------|-----------------------------|-------------|------------------|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | <div style="text-align: center;">—</div> <div style="text-align: center;">—</div> | | N/4 7,54R 5,1 | | | GRAY, CLAY, BANDED IN 2 GRAY COLORS, 0-20cm N/4 20-50 7,54R 5/1 50-86 N/4 FINE 1MM FINE SAND LIMINA AT 33CM. VERY WELL SORTED, SLUMPING? |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 20 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

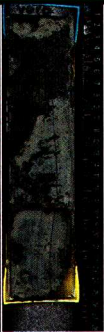
| | | |
|----------------|---------------|----------------------|
| Date 9/2/14 | Time 16:00 | Observers JBS/CSJ |
|----------------|---------------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|------------------------------------|-------------------------------|-------------|------------------|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | N/4 7, 5, 8 5/1 | | | GRAY CLAY, VERY WELL SORTED, CONTACTED. HIGHLY DISTURBED. HEAVILY |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 21 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCJ/SBJ |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Roundness | Color | Accessories | Core Disturbance | Description |
|--|---|-------------------------|---------------------|-------------|-----------|------------------|-------------|------------------|---|
| | | | | w m vp bl r | a | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | - - - - - - - - - | | | | 7.5YR 4/1 | | | Gray-brown clay. Well sorted, heavily broken and disturbed. with cavities along edge. No visible internal structure. |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 22 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|----------------|---------------|---------------------|
| Date 9/2/14 | Time 19:30 | Observers JB, CS |
|----------------|---------------|---------------------|


| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | | | | | | Color | Accessories | Core Disturbance | Description | |
|------|------------------------|----------|---------------------|-------------------|---|----|----|---|---|--|--|--|--|-------|-------------|------------------|-------------|---|
| | | | | w | m | vp | bl | r | a | | | | | | | | | |
| 0 | [Image of core sample] | | | | | | | | | | | | | | | | | GREENISH GRAY - VERY DARK GRAY, WEAK LAMINATION BY COLOR, MM SCALE. VERY DARK GRAY SULFIDE LAMINA, WEAK, VERY WELL SORTED, SLIGHTLY DISTURBED. |
| 10 | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | | | |

10/4
5/1
N/3

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| Exp. | Site | Hole | Core | Type | Section |
|------|------|------|------|------|---------|
| 347 | 63 | D | 22 | H | CC |

| Date | Time | Observers |
|--------|-------|-----------|
| 4/2/14 | 19:30 | JB; /MSJ |

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|------|---|----------|---------------------|-------------|------------|-------------|-------------|------------------|--|
| | | | | w m vp bl r | a | | | | |
| 0 |  | | | | | 10YR 5/1 | | | <p>GREENISH GRAY, CLAY, HEAVILY DISTURBED, BY ROOTING. VERY WELL SORTED.</p> |
| 10 | | | | | | | | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 23 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCJ/SBJ |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | | Color | Access ories | Core Disturbance | Description |
|------|----------------------|----------|---------------------|--------------------|---|----|----|---|-------|-------|--------------|--|-------------|
| | | | | w | m | vp | bl | r | a | | | | |
| 0 | [Photograph of core] | | | | | | | | | | | Gray clay. well sorted. | |
| 10 | | | | | | | | | 7.5YR | | | Disturbed and soupy upper 60cm. | |
| 20 | | | | | | | | | 4/1 | | | Faint mm-scale colour lam. at cm-scale intervals | |
| 30 | | | | | | | | | | | soupy | | |
| 40 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | |

soupy

slight

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 23 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SJS/TBS |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness w m vp bl r a | Color | Access ories | Core Disturbance | Description |
|--|-----------------------------|----------|---|--|--------------|--------------|------------------|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | [Photograph of core sample] | | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%; border-bottom: 1px solid black;"></div> <div style="width: 45%; border-bottom: 1px solid black;"></div> </div> | | 7.5YR 4/1 | | slight | <p>Gray clay, well sorted with faint mm-cm scale colour lamination</p> <p>Surface degraded in places.</p> <p>Lamination not well developed.</p> <p>No visible bioturbation</p> <p style="text-align: right;">Broken lower 5cm</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 23 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCJ/JBJ |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | | | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|-------------------|---|----|----|---|---|---------------|-------|-------------|--|-------------|
| | | | | w | m | vp | bl | r | a | | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | | | | | 7.5 YR 4/1 | | slight | Gray clay, well sorted with mm-cm scale colour lamination - poorly developed | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 24 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCS/SBS |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | | Color | Accessories | Core Disturbance | Description |
|--|---------------|----------|---------------------|-------------------|---|----|----|---|---|--------------|-------------|------------------|--|
| | | | | w | m | vp | bl | r | a | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | [Obscured] | | | | | | | | | 7.5YR 4/1 | | | Distorted, 'crumbly,' water saturated gray brown clay. Surface heavily degraded. No visible internal structures. |
| | | | | | | | | | | | soupy | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 24 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|----------------|------|----------------------|
| Date 9/2/14 | Time | Observers SCJ/SBS |
|----------------|------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | | | Color | Accessories | Core Disturbance | Description |
|------|---|----------|---------------------|-------------------|---|----|----|---|---|-------|-------|-------------|------------------|--|
| | | | | w | m | vp | bl | r | a | | | | | |
| 0 |  | | | | | | | | | | | | | Smeared surface and broken in places. |
| 10 | | | | | | | | | | 7.5YR | | | | Gray-brown clay, well sorted. No visible internal structures or evidence of bioturbation |
| 20 | | | | | | | | | | 4/1 | | | | |
| 30 | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 25 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

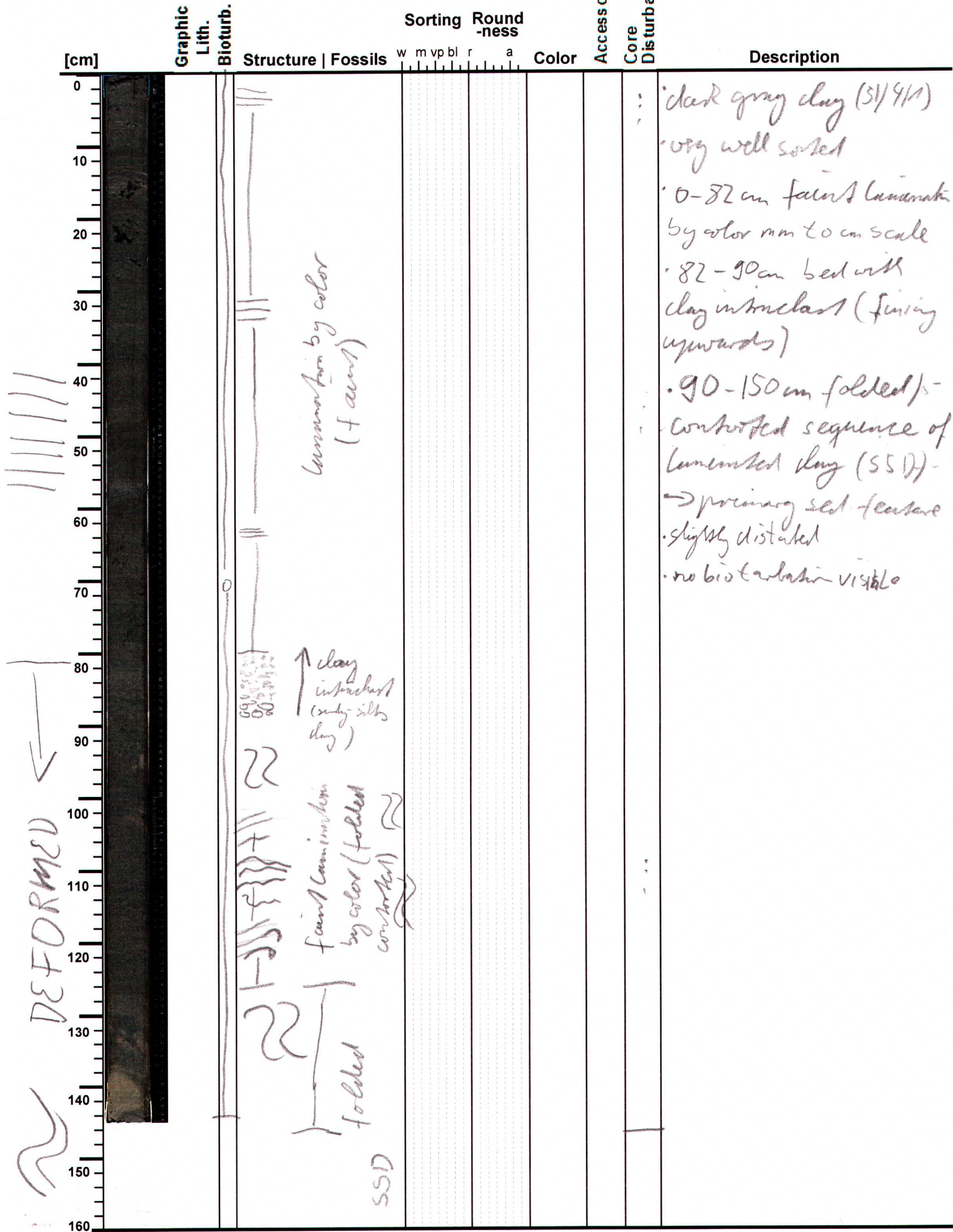
| | | |
|------------------|---------------|--------------------|
| Date 10.02.14 | Time 08:00 | Observers MY/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure | Fossils | Sorting <small>w m vp bl r a</small> | Round-ness | Color | Accessories | Core Disturbance | Description | |
|------|----------------------|----------|-----------|---------|---|------------|-------|-------------|------------------|----------------------------|--|
| 0 | [Photograph of core] | | | | | | | | } | | |
| 10 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 30 | | | | | | | | | | } | 0-84 cm |
| 40 | | | | | | | | | | | highly disturbed |
| 50 | | | | | | | | | | | (gas bubbles?) |
| 60 | | | | | | | | | | } | |
| 70 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| 90 | | | | | | | | | | : | 84-150 cm |
| 100 | | | | | | | | | | : | dark gray clay (5/4/1) |
| 110 | | | | | | | | | | : | faint lamination by color (mm to cm scale) |
| 120 | | | | | o o o | | | | | : | very well sorted |
| 130 | | | | | | | | | | : | soft-sediment deformation (primary sed. feature) |
| 140 | | | | | ~ ~ | | | | | : | → within isolated laminae (brecciated?) |
| 150 | | | | | | | | | : | no bioturbation visible | |
| 160 | | | | | | | | | : | silt nodules at 121-122 cm | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 25 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 10/01/14 | Time 08:15 | Observers MK/SP |
|------------------|---------------|--------------------|



|||||

←

DEFORMED

~

laminae form by color (+ accret)

↑ clay in tact (silty silty clay)

faint laminae by color (contorted)

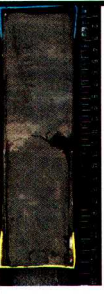

folded SSD

dark gray clay (S1/S1A)
 very well sorted
 0-82 cm faint laminae by color mm to cm scale
 82-90 cm bed with clay in tact (fining upwards)
 90-150 cm folded) - contorted sequence of laminated clay (SSD) -> primary s.d. feature
 slightly disturbed
 no bioturbation visible

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 25 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|------------------|---------------|------------------|
| Date 10.02.14 | Time 08:30 | Observers MK/ |
|------------------|---------------|------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|------|---|---|---------------------|-------------|------------|-------|-------------|------------------|---|
| | | | | w m vp bl r | a | | | | |
| 0 |  |  | T | | | | | | <ul style="list-style-type: none"> • dark gray clay (SY41) • very well sorted • slightly disturbed • lamination by color ↳ deformed / folded ↳ SS1) • some clay in meters (disrupted laminae?) • no bioturbation visible |
| 10 | | | SS | | | | | | |
| 20 | | | I | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| 140 | | | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 26 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting w m vp bl r a | Round-ness | Color | Accessories | Core Disturbance | Description |
|------|---------------|----------|---------------------|--------------------------|------------|-------|-------------|------------------|---|
| 0 | | | | | | | | | 0-109: highly disturbed |
| 10 | | | | | | | | | |
| 20 | | | | | | | | | |
| 30 | | | | | | | | | |
| 40 | | | | | | | | | |
| 50 | | | | | | | | | |
| 60 | | | | | | | | | |
| 70 | | | | | | | | | |
| 80 | | | | | | | | | |
| 90 | | | | | | | | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | 109 | ? | Dark gray (N4) clay with light-colored intraclasts? and contorted bedding |
| 120 | | | | | | | : | | |
| 130 | | | | | | | : | | |
| 140 | | | | | | | : | | |
| 150 | | | | | | | : | | |
| 160 | | | | | | | | | |

knife marks



IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 26 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|



| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Access ories | Core Disturbance | Description |
|--|---------------|----------|---------------------|---------|------------|-------|--------------|------------------|--|
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">30</div> <div style="margin-bottom: 5px;">40</div> <div style="margin-bottom: 5px;">50</div> <div style="margin-bottom: 5px;">60</div> <div style="margin-bottom: 5px;">70</div> <div style="margin-bottom: 5px;">80</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">160</div> </div> | | | | | | | | | <p>Dark gray (N4) clay with intra-clasts and contorted bedding</p> <p>0-37cm: light-colored intraclasts</p> <p>69-120cm: patches of core dry out differently; semi-horizontal fabric</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 26 | Type H | Section 3 |
|-------------|------------|-----------|------------|-----------|--------------|


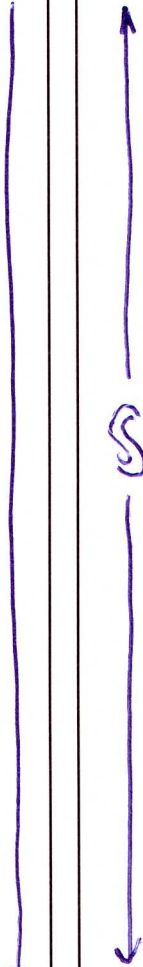
| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---|-------------------|---|----|----|---|-------|-------------|---|-------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | |  | | | | | | | | Dark gray (N4) clay with semi-hori- zontal contorted bedding of lighter and darker colored clay. | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 27 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|



| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/JP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|--|----------|---|------------------------------------|-------|-------------|--|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | | | <p>0-65 cm: highly disturbed by core</p> <p>65-150 cm: Dark gray (SYu/l) clay with convolute bedding ranging in orientation from almost vertical to semi-horizontal; bedding is light and dark colored clay</p> |
| | | |  | | | | <p>65</p> <p>⋮</p> <p>⋮</p> <p>⋮</p> <p>⋮</p> <p>⋮</p> | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 27 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | | | | | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---|---------|---|----|----|---|------------|-------|-------------|------------------|--|
| | | | | w | m | vp | bl | r | | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | |  | | | | | | | | | | Dark gray (5Y 4/1) laminated clay; laminae thickness decreasing upward at 6-24 cm; lamination by color at 1-3 cm thickness |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 28 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 10.02.14 | Time 09.00 | Observers MY/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure | Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description | |
|------|----------------------------|----------|-----------|---------|-------------------|---|----|----|---|-------|-------------|------------------|-------------|---|
| | | | | | w | m | vp | bl | r | | | | | a |
| 0 | Photograph of core section | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | |

0-92cm soupy

• dark gray clay (5/4/1)
 • very well sorted
 • 92-140cm lamination by color → partly disrupted laminae
 • 134-138 micro fault
 • 106-111 micro fault
 • 140-150cm homogeneous clay
 • slightly destacked
 • 120-140cm → N/A laminae
 • 11-12mm in thickness


lamination by color
 ↓↑

homogeneous
 ↓↑

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 28 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 10.02.14 | Time 09:05 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure | Fossils | Sorting Roundness | | | | | | | Color | Accessories | Core Disturbance | Description |
|--|--|--------------------------|---|---------|-------------------|---|----|----|---|---|--|-------|---|------------------|-------------|
| | | | | | w | m | vp | bl | r | a | | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | (very faint) laminations | sheared silt packets silt laminae | | | | | | | | | | <ul style="list-style-type: none"> • dark gray clay (5Y 4/1) • very well sorted • slightly disturbed • 0-13cm homogeneous with very faint laminations • 13-60cm folded/contacted → SSD (primary sed. feature) • silt laminae at 32-35cm → folded • sheared zones at 13cm | | |

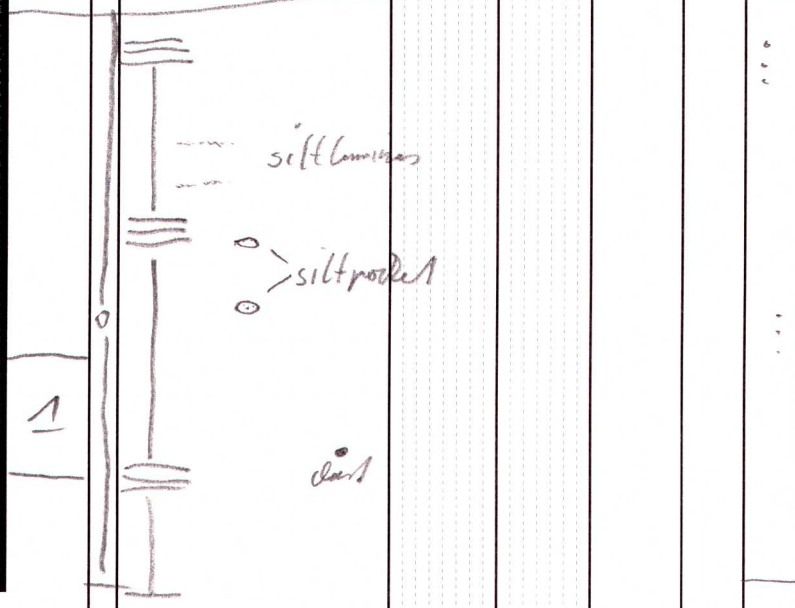
IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 30 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 10.02.14 | Time 10:00 | Observers M4/SF |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | Color | Accessories | Core Disturbance | Description |
|------|------------------------------|----------|---------------------|-----------------------|-------|-------------|------------------|-------------|
| | | | | w m vp bl r a | | | | |
| 0 | [Photograph of core section] | | | | | | | |
| 10 | | | | | | | | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |

0-100cm
sandy

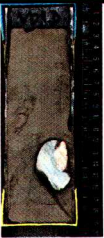


- dark gray clay (5Y4/1)
- well sorted
- lamination by color and grain size
- 110-130cm ~ 27 laminae
- → Ø 7-8cm thickness
- clast at 138cm
- silt nodule at 120cm, 125cm
- few silt laminae (2mm)
- slightly disturbed

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 30 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|------------------|---------------|--------------------|
| Date 10.02.14 | Time 10:20 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | | | | | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|---|----------|--|---------|---|----|----|---|------------|-------|-------------|--|-------------|
| | | | | w | m | vp | bl | r | | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | <p style="font-size: 2em; margin: 0;">VOID</p> | | | | | | | | | <ul style="list-style-type: none"> • dark gray clay (S/HA) • very faint lamination • well sorted • concretion at 12-16cm → limestone as nucleus (dropstone) | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 31 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|


































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|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|---------------|----------|---------------------|------------------------------------|-------|-------------|------------------|--|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | | | | | <p>0-92 mbsf: highly disturbed</p> <p>92-136 mbsf: Dark gray (5Y4/1) clay, moderately disturbed (deformed)</p> <p>136-150 mbsf: mm-scale planar- parallel-laminated dark gray clay</p> |
| | | | | | | 92 | 3 | |
| | | | | | | | 1 | |
| | | | | | | | 1 | |
| | | | | | | | 1 | |
| | | | | | | 136 | 3 | |
| | | | ↑ ↓ | | | | 1 | |
| | | | | | | | 1 | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 31 | Type H | Section 3 |
|-------------|------------|-----------|------------|-----------|--------------|



| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Roundness | Color | Accessories | Core Disturbance | Description |
|------|---|---|---|---|-----------|-------|-------------|--|--|
| | | | | w m vp bl r | a | | | | |
| 0 |  | |  | | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 10 | | |  | | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 20 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 30 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 40 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 50 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 60 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 70 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 80 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 90 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 100 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 110 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 120 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 130 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 140 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 150 | | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal |
| 160 | |  |  | | | | | Dark gray (5Y4/1) clay with sand laminae; 0-6 cm: homogeneous, massive 6-9 cm: fine-medium sand lamina 10 cm: fine-medium sand lamina 12-40 cm: strongly contorted color lamination; bedding orientation inclined and horizontal | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 31 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting | Roundness | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---|-------------|-----------|-------|-------------|------------------|---|
| | | | | w m vp bl r | a | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | |  | | | | | : - | Dark gray (5Y 4/1) clay; contorted bedding/lamination 10-11cm : void |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 32 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|




| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | Color | Access ories | Core Disturbance | Description |
|--|---------------|----------|---------------------|--------------------|---|----|----|---|-------|--------------|------------------|-------------|
| | | | | w | m | vp | bl | r | | | | |
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">30</div> <div style="margin-bottom: 5px;">40</div> <div style="margin-bottom: 5px;">50</div> <div style="margin-bottom: 5px;">60</div> <div style="margin-bottom: 5px;">70</div> <div style="margin-bottom: 5px;">80</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">160</div> </div> | | | | | | | | | | | | |
| <p>Dark gray (5Y 4/1) laminated clay; lamination by color on a mm-cm scale</p> <ul style="list-style-type: none"> - some unsorted ^{micro faulted} laminae at 24-25 cm - micro fault at 54-55 cm - concretion at 145-146 cm | | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 32 | Type H | Section 3 |
|-------------|------------|-----------|------------|-----------|--------------|

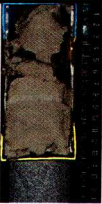
| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | | | Color | Accessories | Core Disturbance | Description |
|--|---|---|---|-------------------|---|----|----|---|---|--|-------|-------------|------------------|---|
| | | | | w | m | vp | bl | r | a | | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  |  |  | | | | | | | | | | | Dark gray (5Y 4/1) clay, planar, horizontal parallel laminated by color on a mm to cm scale; some slightly reddish laminae at ~6cm and ~8cm |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 33 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|------------------|---------------|--------------------|
| Date 10.02.14 | Time 11:25 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting w m vp bl r a | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|--------------------------|------------|-------|-------------|------------------|--|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | | | | | <ul style="list-style-type: none"> • dark gray clay (Z.5Y 4/1) • very faint lamination • moderately to highly desturbed • very well sorted |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 34 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | Color | Accessories | Core Disturbance | Description |
|------|----------------------------|----------|---------------------|--------------------|---|----|----|---|-------|-------------|------------------|---|
| | | | | w | m | vp | bl | r | | | | |
| 0 | Photograph of core section | | | | | | | | | | | <p style="font-family: cursive;">Dark gray color (5Y4/1) laminated clay; planar, horizontal, parallel laminae at mm-cm thickness; distinct wave-like conplets; silt laminae at 12 cm and 72 cm.</p> |
| 10 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 35 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|------------------|---------------|--------------------|
| Date 10.02.14 | Time 12:15 | Observers M4/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | Color | Accessories | Core Disturbance | Description |
|------|--|----------|--|--------------------|---|----|----|---|-------|-------------|------------------|--|
| | | | | w | m | vp | bl | r | | | | |
| 0 |  | | <i>Very faint laminar deformation (drilling)</i> | | | | | | | | | 3 - dwe - gray clay (S1/4/2) • very well sorted - core surface smeared out (withage) • very faint lamination possible • moderately to highly disturbed |
| 10 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 36 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 10-02-14 | Time 12:25 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure | Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|------|--|----------|-----------|---------|-------------------|---|----|----|---|-------|-------------|---|---|
| | | | | | w | m | vp | bl | r | | | | |
| 0 |  | | | | | | | | | | | } • dark gray silty clay (349M) • very well sorted • silty clay with minor sand • strongly deformed (clotchy?) | |
| 10 | | | | | | | | | | | | | } • laminae disrupted and banded • sand laminae (disrupted) |
| 20 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | } |
| 40 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | } |
| 60 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | } |
| 80 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | } |
| 100 | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | } |
| 120 | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | } |
| 140 | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | } |
| 160 | | | | | | | | | | | | } | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 37 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | w | m | vp | bl | r | a | Color | Accessories | Core Disturbance | Description |
|------|---------------|-------|----------|---------------------|--------------------|---|---|----|----|---|---|-------|-------------|------------------|--|
| 0 | | | | | | | | | | | | | | | 0-16 cm: highly disturbed |
| 10 | | | | | | | | | | | | | | | 16-150 cm: Dark gray (5Y 4/1) laminated clay; numerous sub-mm silt laminae in packages, but irregularly spaced; clay is also laminated by color on a macro cm scale; |
| 20 | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | |

} weaker lamination

} weaker lamination

16

0-16 cm: highly disturbed

16-150 cm: Dark gray (5Y 4/1) laminated clay; numerous sub-mm silt laminae in packages, but irregularly spaced; clay is also laminated by color on a macro cm scale;

- more massive or weakly laminated beds at 30-40 cm and 139-150 cm

- ~~some~~ most silt laminae are positioned at the ~~transition of~~ sharp boundary of dark "winter" laminae and light "summer" laminae and may be the basal part of the "summer" lamina in the couplet of the ~~rock~~, forming a fining upward couplet with a silt lamina at its base

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 37 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|


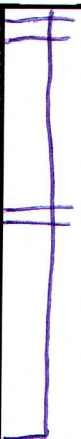

| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | w | m | vp | bl | r | a | Color | Accessories | Core Disturbance | Description |
|--|---------------|-------|----------|---|--------------------|---|---|----|----|---|---|-------|-------------|------------------|--|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | <div style="border-left: 1px solid black; border-right: 1px solid black; height: 100%; position: relative;"> <div style="position: absolute; top: 20%; left: 50%; transform: translate(-50%, -50%); border: 1px solid black; width: 80%; height: 100%;"></div> </div> | | | | | | | | | | | <p>Dark gray (5Y4/1) laminated clay; numerous sub-mm silt laminae in packages, but irregularly spaced; clay is also laminated by color on a mm to cm scale - massive or weakly laminated intervals at 0-20 cm and 65-80 cm</p> |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 37 | Type H | Section 3 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|--|---|---|---|-------------------|---|----|----|---|-------|-------------|---|-------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  |  |  | | | | | | | | Dark gray (5Y 4/1) weakly laminated clay; lamination is horizontal, planar and parallel; isolated silt laminae are present at 0-3 and 17-19 cm; clay is weakly color laminated at 17-24 cm. | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 38 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|



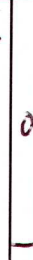
| | | |
|-----------------|------|--------------------|
| Date 2/10/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Lith. | Bioturb. | Structure Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|---------------|-------|----------|---------------------|---------|------------|-------|-------------|---|-------------|
| <div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">0</div> <div style="margin-bottom: 5px;">10</div> <div style="margin-bottom: 5px;">20</div> <div style="margin-bottom: 5px;">30</div> <div style="margin-bottom: 5px;">40</div> <div style="margin-bottom: 5px;">50</div> <div style="margin-bottom: 5px;">60</div> <div style="margin-bottom: 5px;">70</div> <div style="margin-bottom: 5px;">80</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">160</div> </div> | | | | | | | | | <div style="margin-bottom: 10px;"> } 0-37 cm: highly disturbed bed </div> <div style="margin-bottom: 10px;"> } 37-150 cm: Dark gray (5Y4/1) weakly color laminated clay with common silt laminae (sub-mm thickness) - massive clay interval 127-150 cm </div> | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 38 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|-----------------|------|--------------------|
| Date 10/2/14 | Time | Observers MK/SP |
|-----------------|------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness | | | | | Color | Accessories | Core Disturbance | Description |
|--|---|---|---|--------------------|---|----|----|---|-------|-------------|------------------|---|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  |  |  | | | | | | | | | Dark gray clay (5Y7/4/1) with isolated silt laminae (sub-mm thickness) |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 39 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|------------------|---------------|--------------------|
| Date 10/02/14 | Time 14:00 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|------|---------------|----------|---------------------|------------------------------------|-------|-------------|------------------|--|
| 0 | | | | | | | 00 | <p style="font-size: 2em; margin: 0;">SOUPY</p> <p style="margin: 0;">0-20 cm (SY 411)</p> <ul style="list-style-type: none"> • dark gray clay clay with • silt and fine sand laminae • well sorted • 20-150 cm slightly disturbed • 110-130 cm 219 laminae → 10-11 mm thickness • orange laminae facing upwards • parallel + plane bedding |
| 10 | | | | | | | 00 | |
| 20 | | | | | | | | |
| 30 | | | | | | | | |
| 40 | | | | | | | | |
| 50 | | | | | | | | |
| 60 | | | | | | | | |
| 70 | | | | | | | | |
| 80 | | | | | | | | |
| 90 | | | | | | | | |
| 100 | | | | | | | | |
| 110 | | | | | | | | |
| 120 | | | | | | | | |
| 130 | | | | | | | | |
| 140 | | | | | | | | |
| 150 | | | | | | | | |
| 160 | | | | | | | | |

silt laminae common fine laminae

∩ syringe
matt at
bottom

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| Exp. | Site | Hole | Core | Type | Section |
|------|------|------|------|------|---------|
| 347 | 63 | D | 39 | H | 2 |



| Date | Time | Observers |
|----------|-------|-----------|
| 10.02.14 | 14:00 | MK/SP |

| [cm] | Graphic Lith. | Lith. | Bioturb. | Structure | Fossils | Sorting | Round-ness | Color | Accessories | Core Disturbance | Description |
|--|---------------|-------|----------|---|---|---------------|------------|-------|-------------|------------------|---|
| | | | | | | w m vp bl r a | | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 | | | | <p style="text-align: center;">homogeneous (very faint laminations)</p> | <p style="text-align: center;">concretion</p> | | | | | | <ul style="list-style-type: none"> • dark gray clay clay with silt laminae (SY 4/11) • well sorted • slightly disturbed • silt laminae ~ 1-3 mm in thickness silty clay-clay laminae 0.5-4 cm thickness • 7-9 cm concretion • 40-60 cm ~ 21 laminae → 9-10 mm thickness & parallel and plane laminated |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 39 | Type H | Section 3 |
|-------------|------------|-----------|------------|-----------|--------------|



| | | |
|------------------|---------------|--------------------|
| Date 10.02.14 | Time 14:30 | Observers MK/SP |
|------------------|---------------|--------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Round-ness w m vp bl r a | Color | Accessories | Core Disturbance | Description |
|--|---|---|---------------------|-------------------------------------|-------|-------------|------------------|--|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  |  | Structure Fossils | Sorting Round-ness w m vp bl r a | Color | Accessories | Core Disturbance | <ul style="list-style-type: none"> • dark gray clay clay with silt laminae • well to very well sorted • laminae 2-4 cm thick • slightly disturbed |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 39 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|------------------|---------------|--------------------|
| Date 10.07.14 | Time 14:30 | Observers MH/SP |
|------------------|---------------|--------------------|


| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|--|---|---|---------------------|-------------------|---|----|----|---|-------|-------------|--|-------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  |  | | | | | | | | | <ul style="list-style-type: none"> • dark gray clay clay (5/4/1) • with silt laminae • very well sorted • moderately disturbed • laminae by color and grain size • surface ^{at little bit} disturbed (cutting) | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 41 | Type H | Section 1 |
|-------------|------------|-----------|------------|-----------|--------------|

| | | |
|-----------------|---------------|----------------------|
| Date 10/2/74 | Time 15:00 | Observers JBJ/CST |
|-----------------|---------------|----------------------|

| [cm] | Graphic Lith. Bioturb. | Structure | Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|------|------------------------|-----------|---------|-------------------|---|----|----|---|-------|-------------|------------------|------------------------------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 | | | | | | | | | 10YR | | | GRAYISH BROWN, |
| 10 | | | | | | | | | 5/2 | | | CLAY, ^{WEAK} LAMINATED BY |
| 20 | | | | | | | | | | | | COLOR AND, INTERLAMI- |
| 30 | | | | | | | | | | | | NATED BY SILT LAMINA. |
| 40 | | | | | | | | | | | | VARIE |
| 50 | | | | | | | | | | | | CLAY LAMINA 1cm - |
| 60 | | | | | | | | | | | | 20cm, SILT LAMINA |
| 70 | | | | | | | | | | | | MM SCALE BIVALLET |
| 80 | | | | | | | | | | | | 69-77cm AND |
| 90 | | | | | | | | | | | | 114-135cm, |
| 100 | | | | | | | | | | | | VERY WELL SORTED, |
| 110 | | | | | | | | | | | | SILICLY DISTURBED, |
| 120 | | | | | | | | | | | | CARBONATE NODULE AT |
| 130 | | | | | | | | | | | | 79cm |
| 140 | | | | | | | | | | | | 1cm SILT LAMINA AT |
| 150 | | | | | | | | | | | | 122cm. |
| 160 | | | | | | | | | | | | |



 ○ NODULE
 2cm
 DIAMETER

SILT

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 41 | Type H | Section 2 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|-----------------|---------------|---------------------|
| Date 10/2/94 | Time 15:10 | Observers TJ/RSJ |
|-----------------|---------------|---------------------|

| [cm] | Graphic Lith. Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|------|--|---|---|---|----|----|---|---|-------------|------------------|--|
| | | | w | m | vp | bl | r | | | | |
| 0 |  | <p style="text-align: center;">SILT</p> | <p style="text-align: center;">100% 5/2</p> | | | | | <p style="text-align: center;">10YR 5/2</p> | | | <p>GRAYISH BROWN, CLAY, INTERLAMINATED WITH SILT LAMINA. CLAY LAMINA 1CM - 10CM SILT LAMINA MM - SCALE BUDDLET. VARIOUS VERY WELL SORTED SLIGHTLY DISTURBED.</p> |
| 10 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 60 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| 90 | | | | | | | | | | | |
| 100 | | | | | | | | | | | |
| 110 | | | | | | | | | | | |
| 120 | | | | | | | | | | | |
| 130 | | | | | | | | | | | |
| 140 | | | | | | | | | | | |
| 150 | | | | | | | | | | | |
| 160 | | | | | | | | | | | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|--------------|
| Exp. 347 | Site 63 | Hole D | Core 41 | Type H | Section 3 |
|-------------|------------|-----------|------------|-----------|--------------|


| | | |
|------------------|---------------|----------------------|
| Date 10/17/14 | Time 15:15 | Observers JBI/CSJ |
|------------------|---------------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness | | | | | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|-------------------|---|----|----|-------------|-------|-------------|---|-------------|
| | | | | w | m | vp | bl | r | | | | |
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | ○ NODULE | | | | | 10YR 5/2 | | | GRAYISH BROWN, CLAY, INTERLAMINATED WITH SILT LAMINA, CLAY LAMINA 0.5 - 5 CM SILT LAMINA MM SCALE OFTEN BUNDLE, VERY WELL SORTED, SLIGHTLY DISTURBED. CARBONATE NODULE AT 40 CM. SUBROUNDED BLADED. | |

IODP-MSP (Exp. 347) VISUAL SECTION UNIT DESCRIPTION

| | | | | | |
|-------------|------------|-----------|------------|-----------|---------------|
| Exp. 347 | Site 63 | Hole D | Core 41 | Type H | Section CC |
|-------------|------------|-----------|------------|-----------|---------------|

| | | |
|-----------------|---------------|----------------------|
| Date 10/2/14 | Time 16:20 | Observers JBJ/CSJ |
|-----------------|---------------|----------------------|

| [cm] | Graphic Lith. | Bioturb. | Structure Fossils | Sorting Roundness <small>w m vp bl r a</small> | Color | Accessories | Core Disturbance | Description |
|--|---|----------|---------------------|---|-------------|-------------|------------------|---|
| 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 |  | | | | 10YR 5/2 | | | GRAYISH BROWN, CLAY, HEAVILY DISTURBED VERY WELL SORTED. |