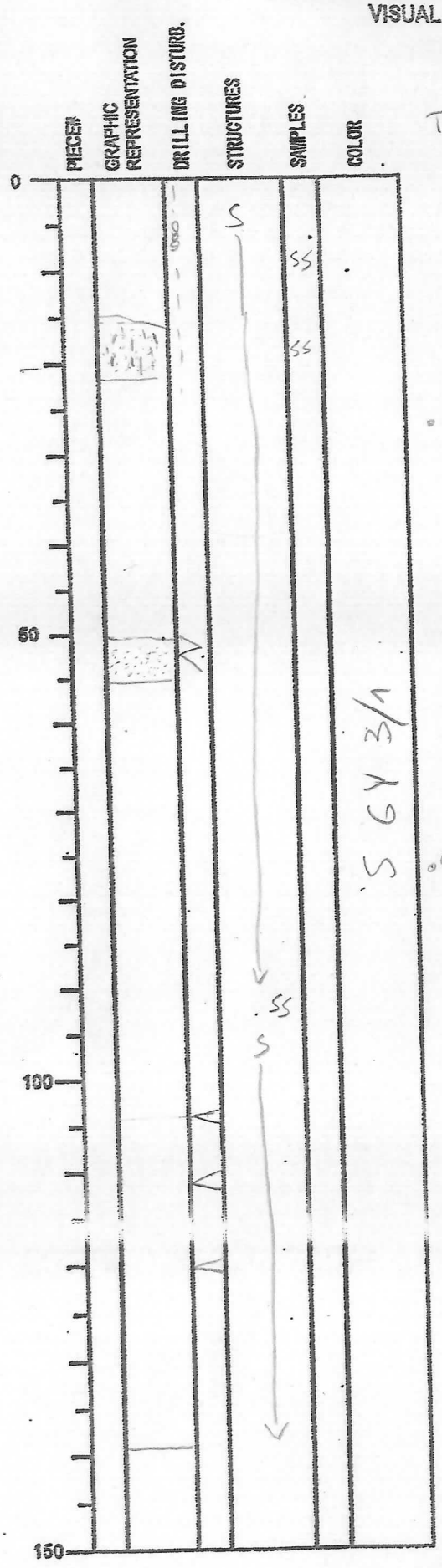
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 151
DATE: 27 / 12 / 2012
EXP: 338
SITE/HOLE: C0052L
CORE: 21X
SECTION: 1
OBSERBER: SR

Tot = 141

4670



Major lithology = 5 GY 3/1 (dark olive gray)

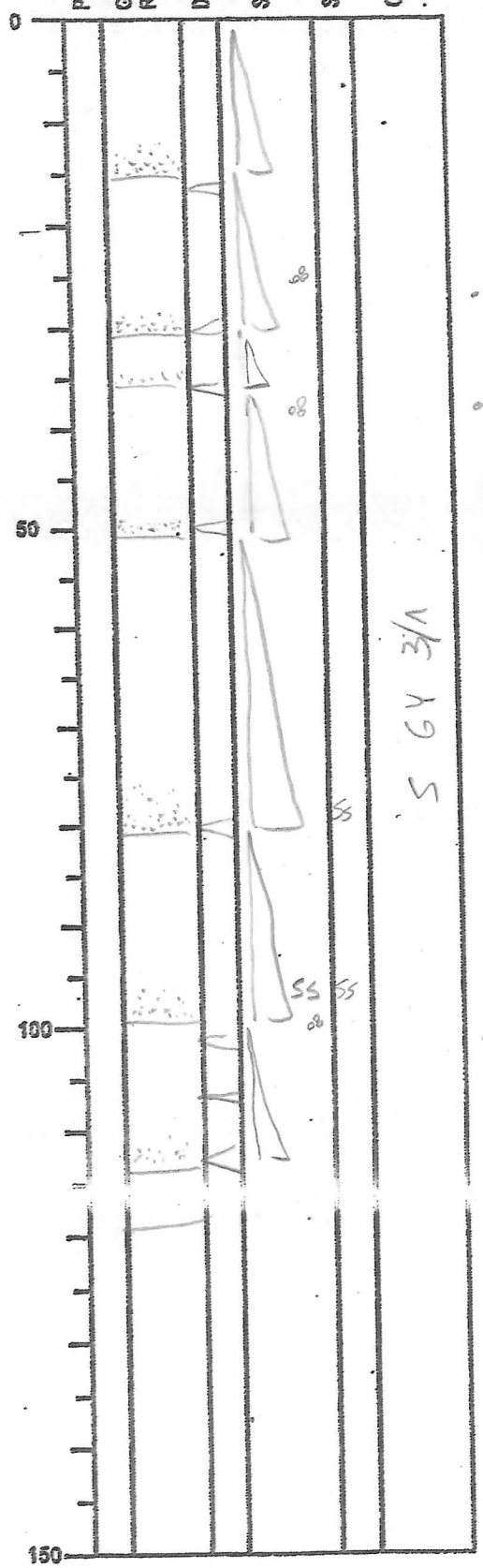
- 15-20: silty sand
- 50-55: silty sand
- 93: more bioturbation. Right below a greenish 1 cm thick layer (glauconitic?)
- Highly drilling - disturbed intervals are usually filled w/ injected sand

INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 152
DATE: 27 / 12 / 2012
EXP: 338
SITE/HOLE: C0002L
CORE: 21X
SECTION: 2
OBSERBER: se

468.415

T at = 129 cm



- 23, 37: agglutinated foram
- 15, 32, 37, 51, 81, 94, 119: bases of fining upward packages. From fine black sand (sandy intervals appear highly drilling-disturbed) to silty clay.
- 93-95
- 99: zone of discrete bioturbation
- 99: foram (?)

INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 153
DATE: 27 / 12 / 2012
EXP: 338
SITE/HOLE: C0002L
CORE: 21x
SECTION: 3
OBSERBER: SR

469.615

Tot = 84cm

PIECE#	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
	COMG		55	SS	5 GY 3/1 N.

SECTION DESCRIPTION

31-42, 50-60, { intervals w/ discrete burrowing

-69: agglutinated forams

0 · 50 · 100 · 150

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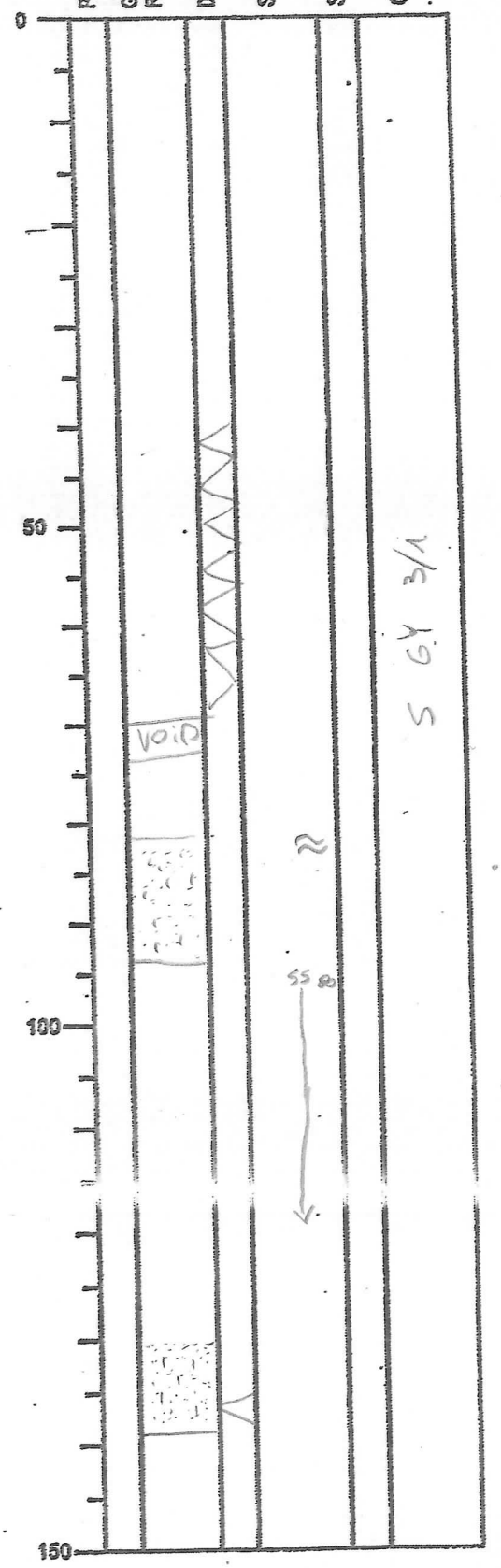
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 154
DATE: 29 / 12 / 2012
EXP: 338
SITE/HOLE: C0002L
CORE: 21X
SECTION: 5
OBSERBER: S R

Tot : 141 cm

SECTION DESCRIPTION

471.665



- 83-99 silty sand. Wavy lamination: 83-86
- 97: agglutinated foram
- 95-117: discrete burrows
- 120-134: silty sand

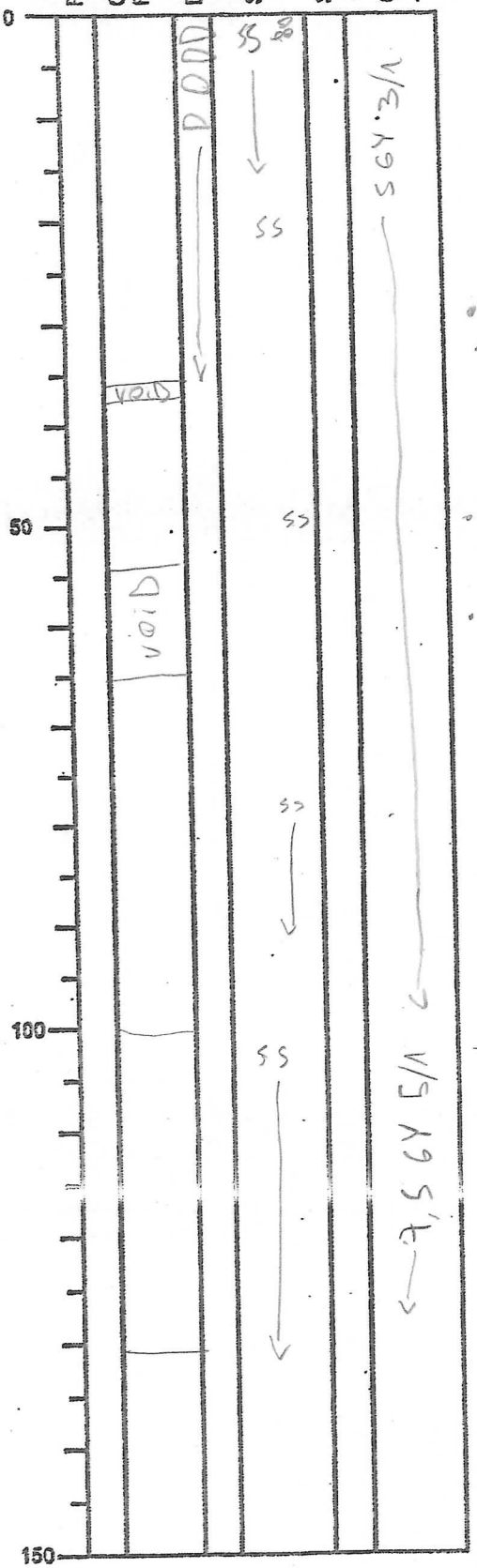
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 155
DATE: 27 / 12 / 2012
EXP: 338
SITE/HOLE: C0002L
CORE: 21X
SECTION: 6
OBSERBER: SR

472.47

Tot = 131 cm

SECTION DESCRIPTION



• 1: agglutinated forams
11

• 0-15; 24, 49-51, 77-83, 100-131 = discrete burrows

• 21-24: discrete burrows. (chondrites?)

different color (greenish gray)
= higher ash content?

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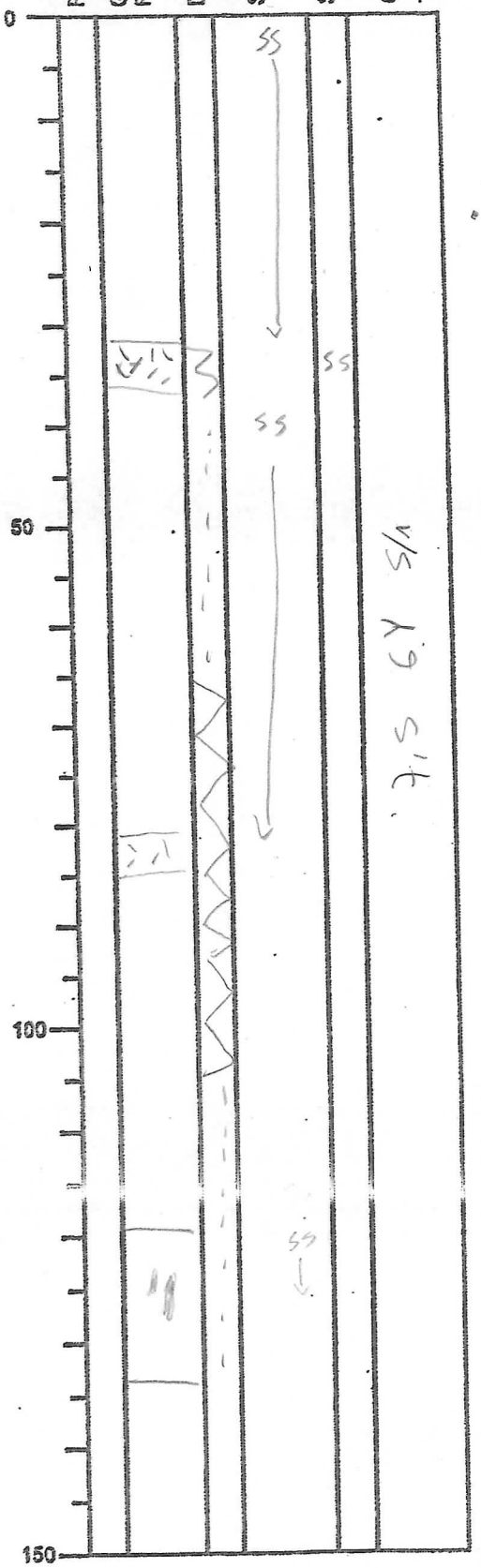
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 156
DATE: 27 / 12 / 2012
EXP: 338
SITE/HOLE: C0002L
CORE: 21X
SECTION: 7
OBSERBER: SR

473.785

Tot = 134



- 0-119 : glauconitic mottling
- 33-36 discrete ash layer
- 82-85 "
- 120-134 : no glauconite
- 129-120 : pyritized burrows

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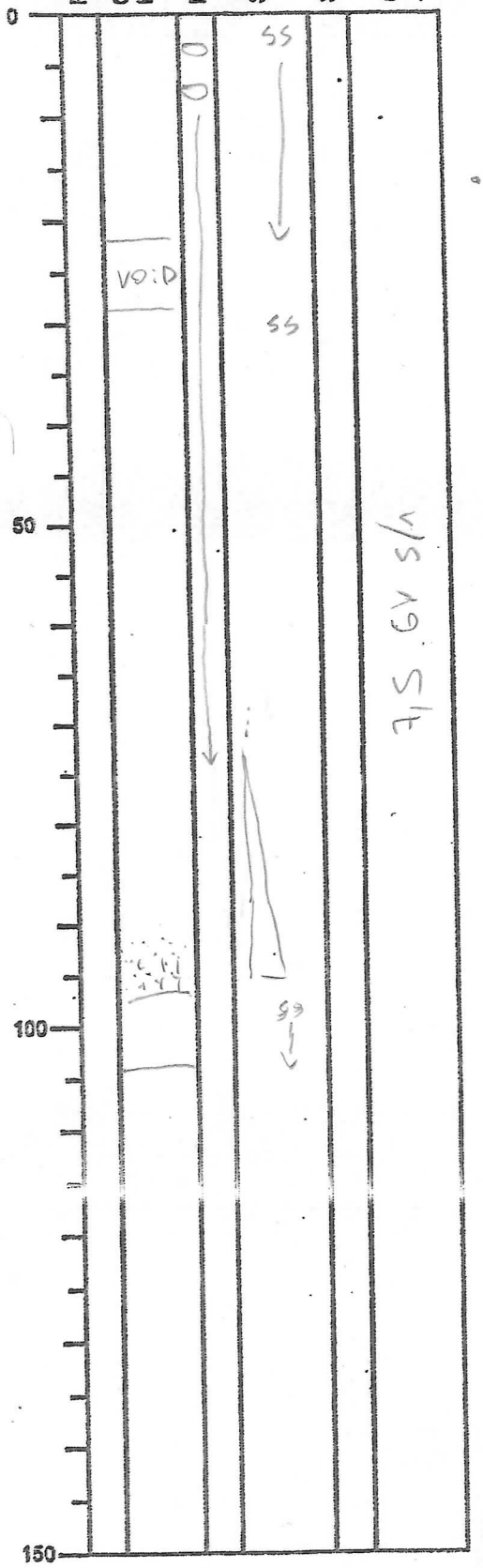
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 157
DATE: 29 / 12 / 2012
EXP: 338
SITE/HOLE: C0002E
CORE: 21X
SECTION: 8
OBSERBER: SR

475.125

Tot: 104



96: base of fining up package, from silty sand to silty clay

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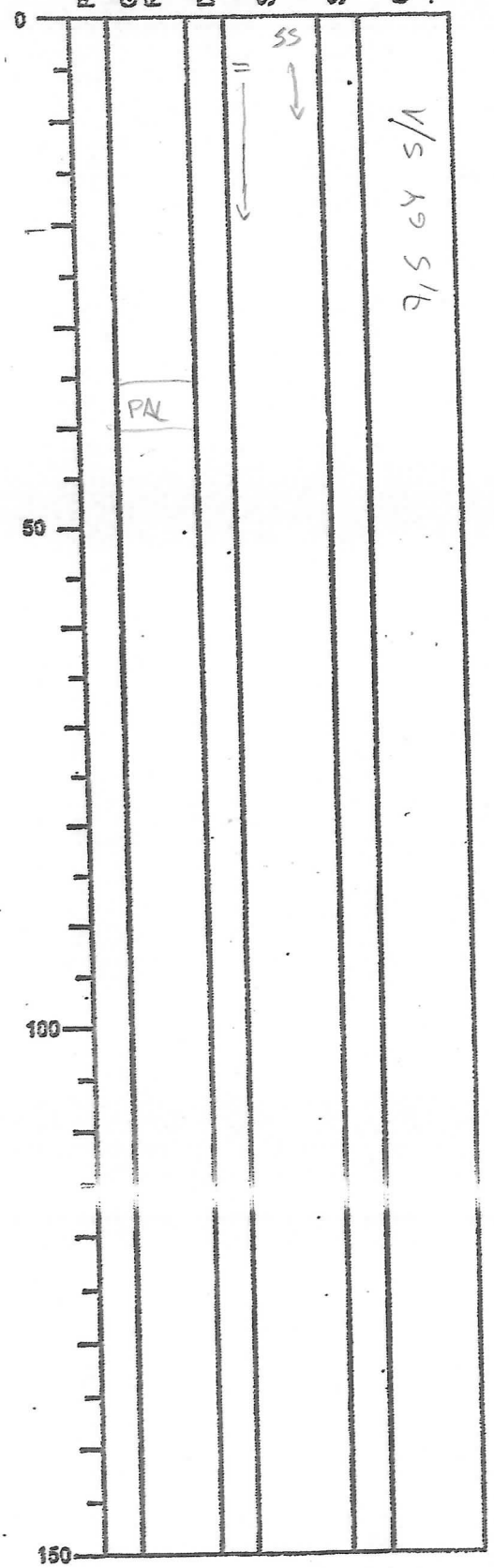
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 158
DATE: 24 / 12 / 2012
EXP: 338
SITE/HOLE: C0002L
CORE: 21X
SECTION: CC
OBSERBER:

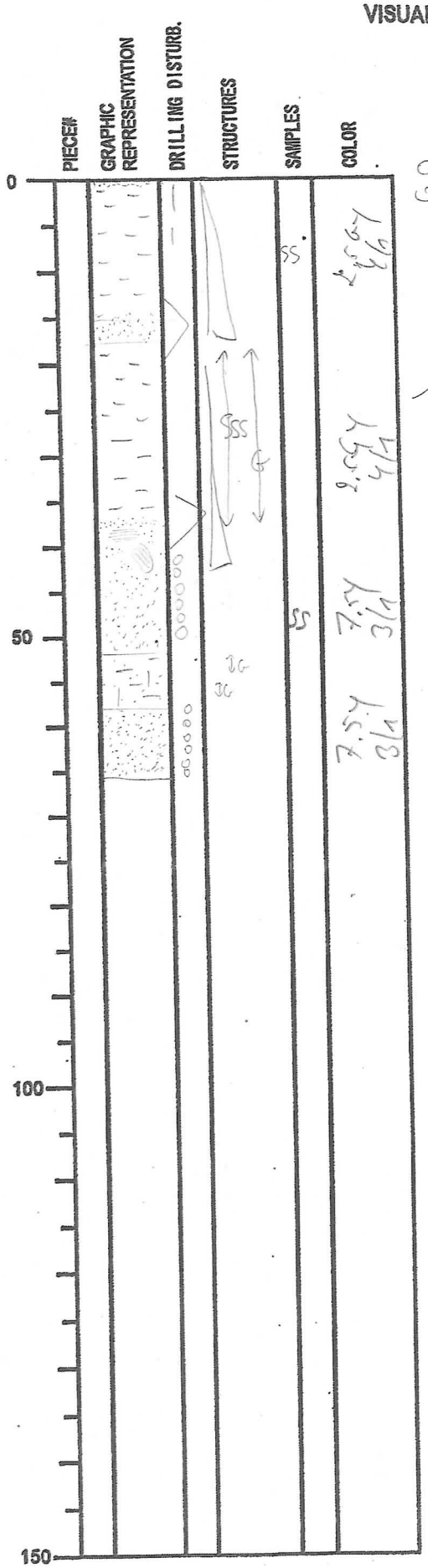
Tot: 10

476.165



INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 159
DATE: 27 / 12 / 2012
EXP: 338
SITE/HOLE: C0022
CORE: 42X
SECTION: 1
OBSERBER: 476.5



Tot. 66 cm

SECTION DESCRIPTION

0 - 9,2 cm = fine sand

9,2 - 17,5 cm = silty sand to silty clay, finly upwards

15 - 17,5 cm = silty sand

17,5 - 66 cm = finly upwards from fine sand to clayey silt

17,5 - 36 cm = bioturbated clayey silt with glauconite patches

36 - 38 cm = silt to sandy silt with plane bedding (1 piece broke off = lower)

38 - 53 cm = fine to medium sand structureless

53 - 58 cm = sandy silt with 2 glauconite bands

54,5 - 55
56 - 56,5] glauconite

58 - 66 cm = fine to medium sand structureless

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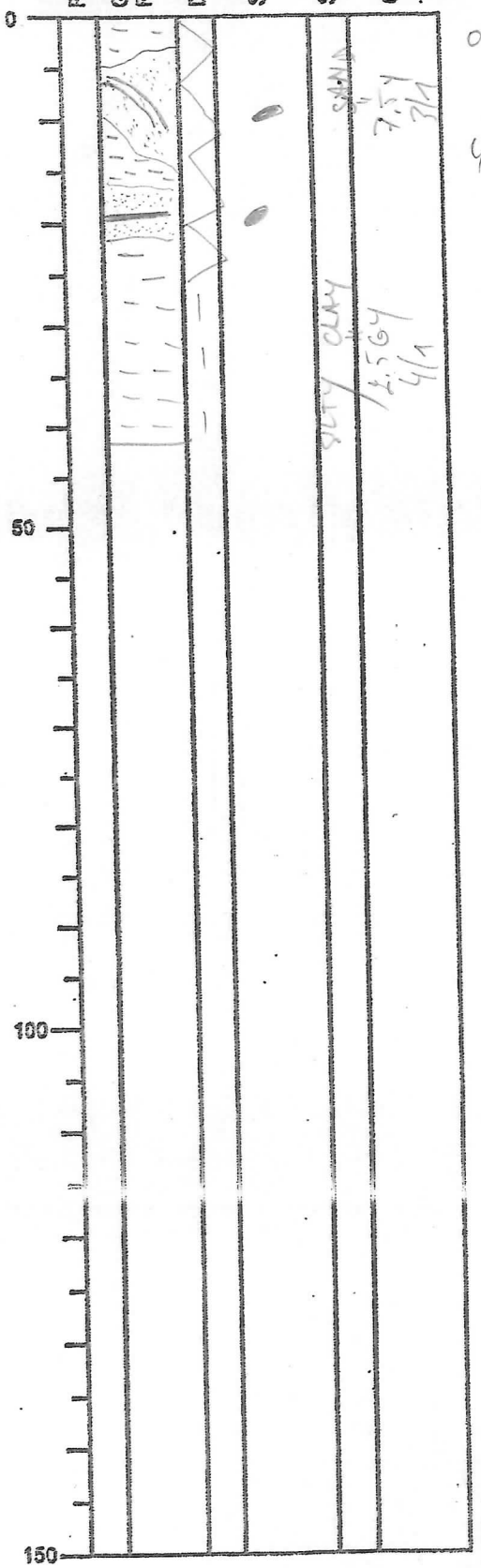
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 160
DATE: 27 / 11 / 20
EXP: 338
SITE/HOLE: C0002L
CORE: 22 X
SECTION: 2
OBSERBER:

477.16



Tot. 42 cm

SECTION DESCRIPTION

0-4cm = silty clay
structureless

4-12cm = fine to medium sand
2 discontinuous
black laminae (dipping down)
- organic matter
± 2-8cm

12-16 cm = silty clay
structureless
(probably part of 0-4 cm
but displaced by drilling
disturbance

16-23cm = fine to medium
sand

20-20,5 cm = black lamina
- organic matter

23-42 cm = silty clay
structureless

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INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 161
DATE: 27 / 11 / 20
EXP: 338
SITE/HOLE: C0002L
CORE: 12X
SECTION: 3
OBSERBER: 477-585

Tot. 40,5cm

0–150 cm	PIECES	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0–40,5		VOID				7.5Y 3/1

SECTION DESCRIPTION

0–40,5cm = medium to fine sand

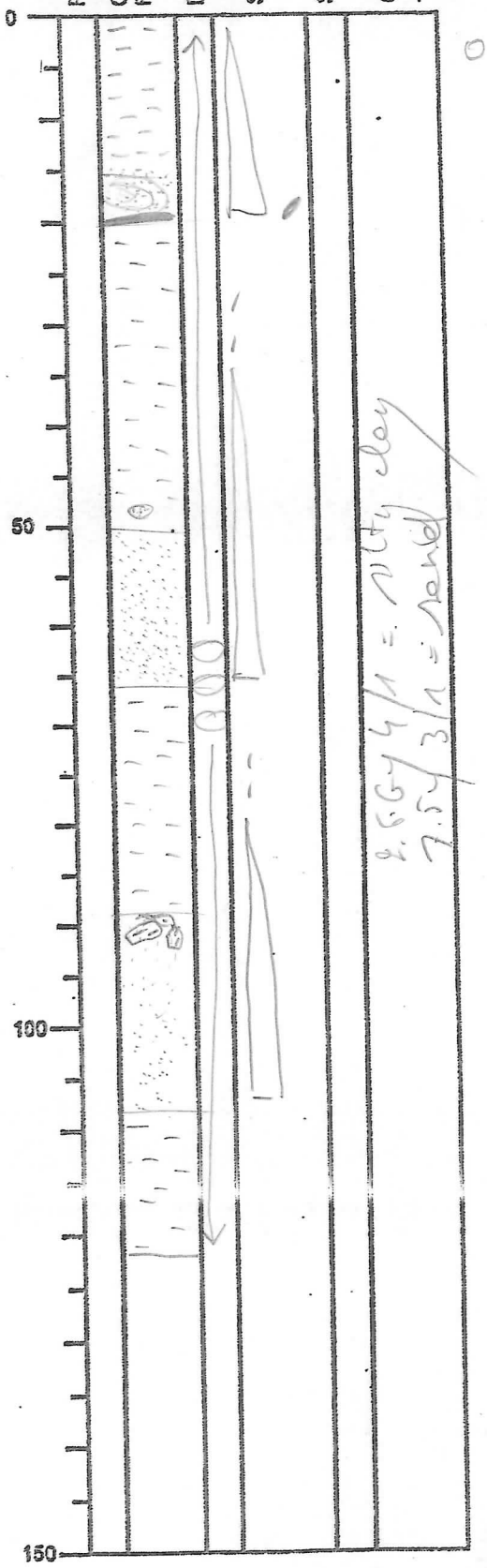
25-28cm = sandy silt (= probably displaced block by drilling disturbance)

Ver.0.10_071109

INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 162
DATE: 27/11/20
EXP: 338
SITE/HOLE: C0002L
CORE: 33.8
SECTION: 4
OBSERBER:

477.99



SECTION DESCRIPTION

0-20 cm = fining upwards from fine to medium sand to silty clay
= structureless
15-20 cm = very deformed (probably by drilling) sand layers
19,5-20 cm = black organic lamina
20-65 cm = fining upwards from fine to medium sand to silty clay (= structureless)
50-65 cm = black sand
49-49,5 cm = small sand clast in clayey silt
65-107 cm = fining upwards from fine to medium sand to silty clay
= structureless
83-107 cm = black sand
85-88 = pieces of silty clay rock (probably displaced by drilling)
107-123 cm = silty clay structureless

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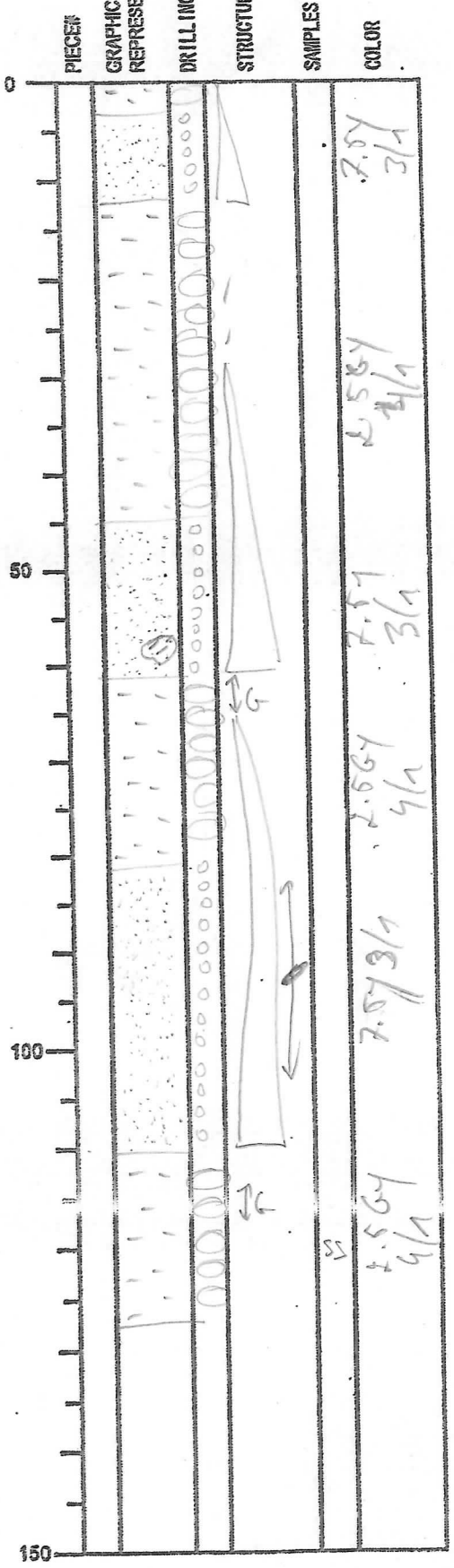
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 163
DATE: 27/12/20
EXP: 338
SITE/HOLE: C0002L
CORE: 22X
SECTION: 5
OBSERBER:

Tot. 128 cm

479.22



SECTION DESCRIPTION

0-14 cm = fining upwards from fine sand to silty clay

3-14 cm = fine sand

14-61 cm = fining upwards from fine sand to silty clay
silty clay = structureless

45-61 cm = fine sand

56-58 cm = block of silty clay (oil spiked by drilling)

61-110 cm = fining upwards from fine to medium sand to silty clay
silty clay = structureless
61-62 cm = glauconite lamina
83-110 cm = fine to medium black sand
several black organic patches

110 cm - 128,5 cm = silty clay, structureless

114-116 = glauconite layer

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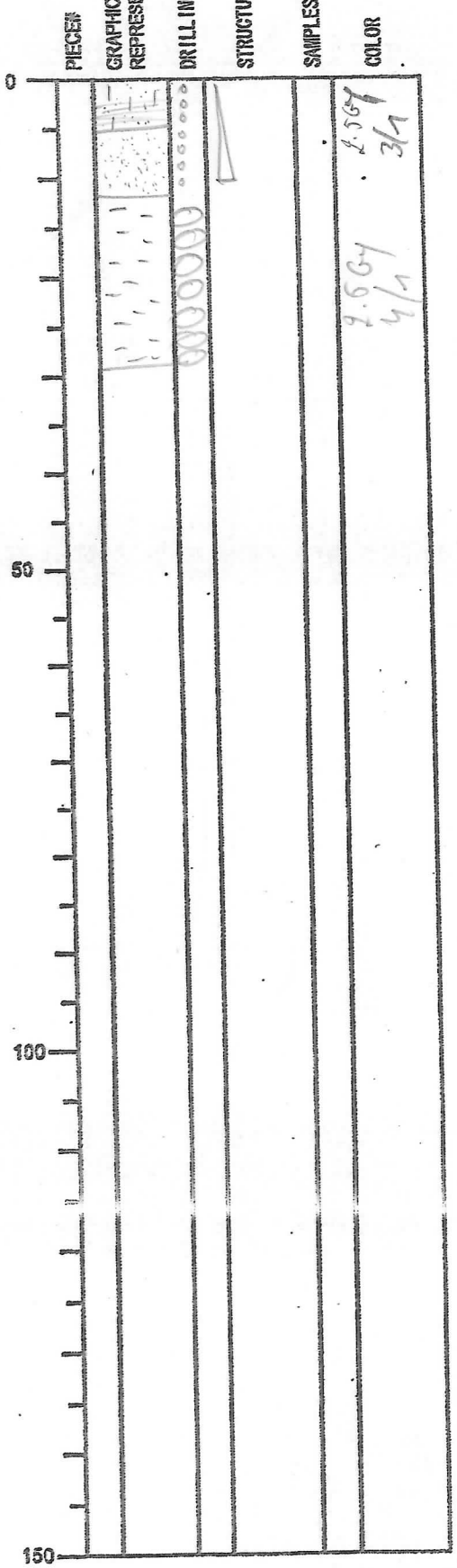
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 164
DATE: 27 / 12 / 20
EXP: 338
SITE/HOLE: C0024C
CORE: 22X
SECTION: 6
OBSERBER:

480.51

Tot. 29cm



SECTION DESCRIPTION

0-12 cm : finely upwards from fine sand to sandy silt
2-5 cm = wavy to planar bedding
5-12 cm = fine sand
12-29 cm = silty clay, structureless

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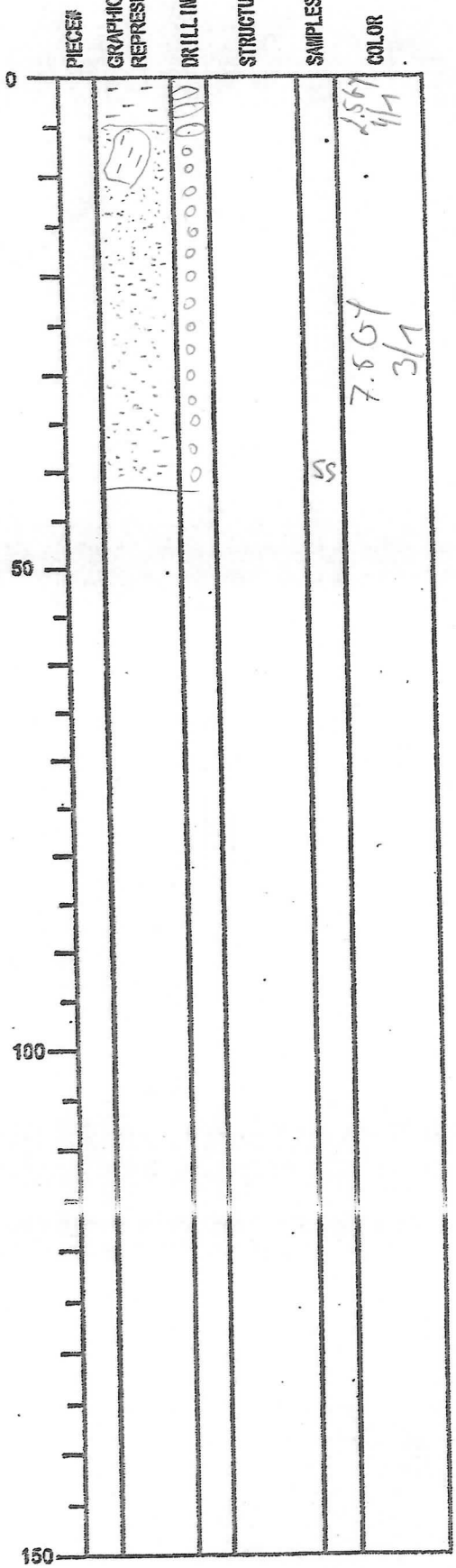
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 165
DATE: 27 / 12 / 20
EXP: 338
SITE/HOLE: C0002L
CORE: 22X
SECTION: 7
OBSERBER:

480.805

Tot. 42cm



0-7 cm = clayey silt
structureless

5-10cm = rotated block of
clayey silt
(displaced by drilly)

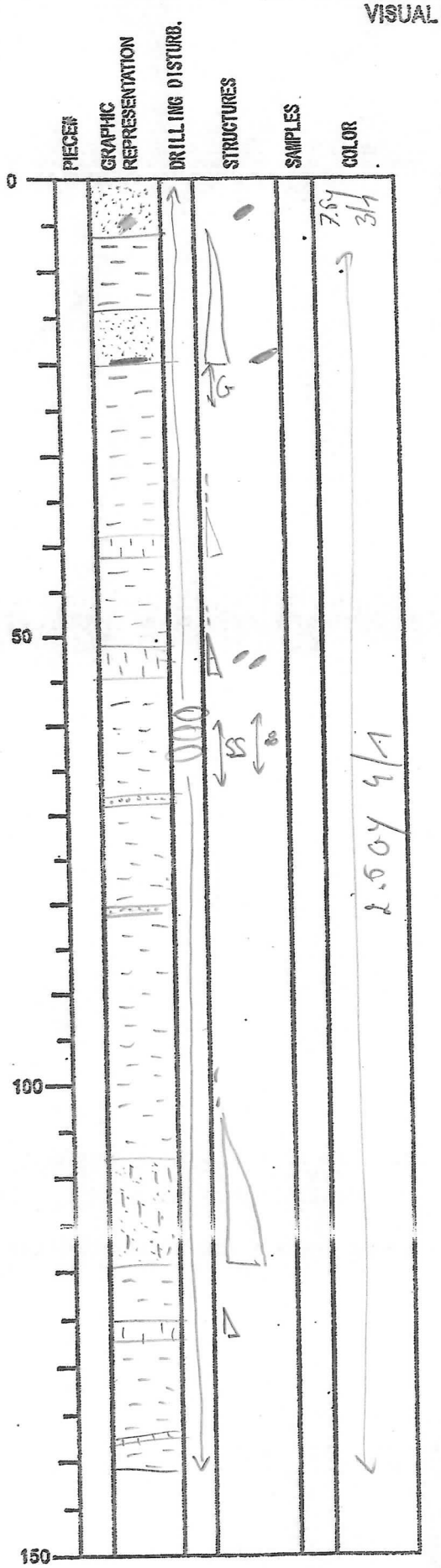
7- 42cm = fine to medium
sand
structureless

Ver.0.10_071109

INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 166
DATE: 27/12/20
EXP: 338
SITE/HOLE: C0002L
CORE: 22X
SECTION: 8
OBSERBER:

461.23



Tot. 141 cm

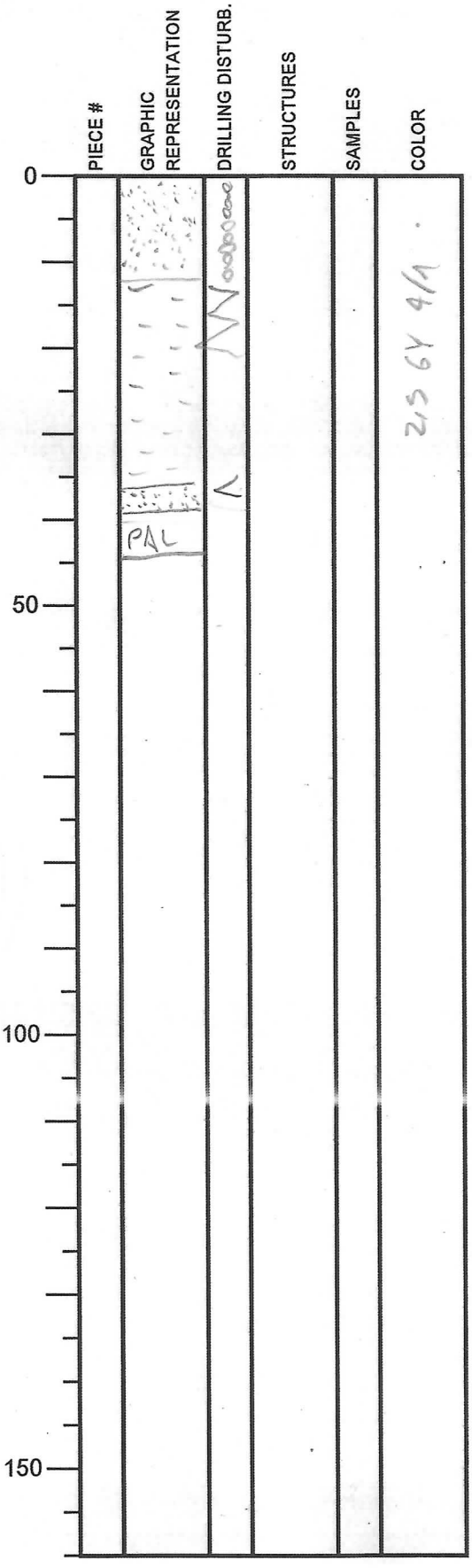
SECTION DESCRIPTION

0-6 cm = fine to medium sand
5-6 cm = patch of organic matter (=black)
6-20 cm = fining upwards from fine sand to silty clay
silty clay = structureless
13-20 cm = fine sand
19,5-20 cm = organic matter laminae
20-141 cm = silty clay
almost structureless with small silt to clay fining upwards sequence
37-41 cm = silt layer
~~41 - 35 ??~~ = fining upwards silt to clay
51-54 cm = silt layer with patches of organic matter
~~54 - 48 ??~~ = fining upwards
61-65 cm = bioturbation (burrows) + foams
67-68 cm = thin fine sand layer
81-82 cm = thin fine sand layer
106-119 cm = sandy silt fining upwards
125-126 cm = silt layer fining upwards
137-138 cm = silt layer

Ver.0.10_071109

Integrated Ocean Drilling Program
Visual Core Description

NO. 167
DATE: 29 / 12 / 2012
EXP.: 336
SITE/HOLE: C0002L
CORE: 22X
SECTION: CC
TOP DEPTH (m CSF): 482.64
OBSERBER: SR

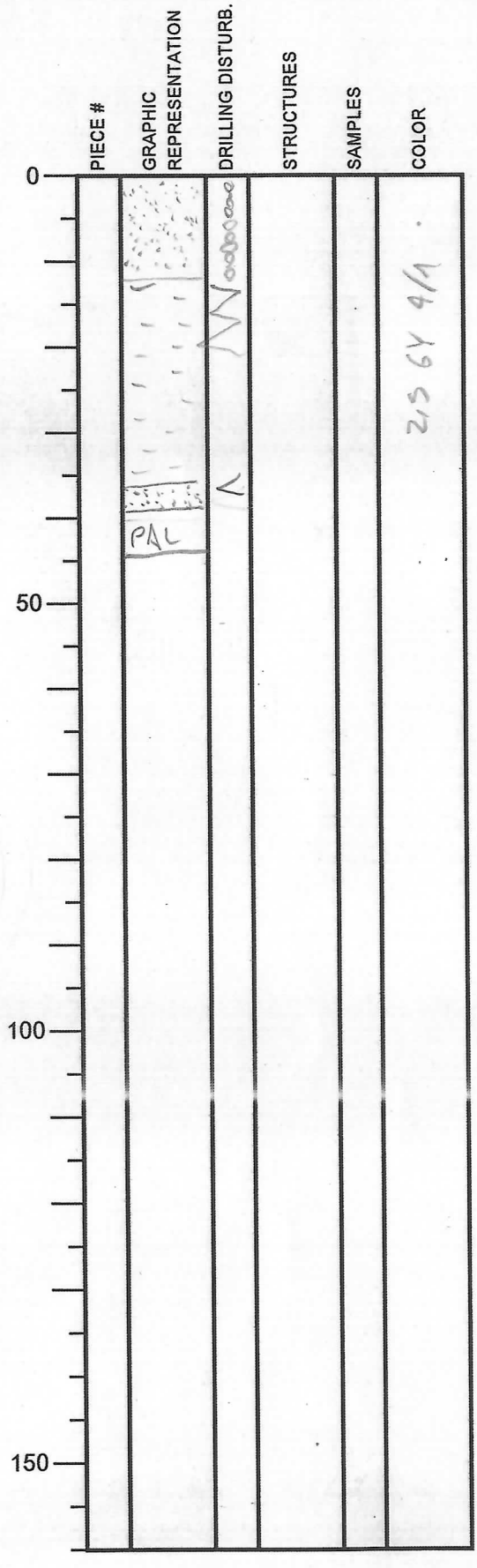


SECTION DESCRIPTION

- 0-12 : fine dark sand . Soupy
- 13-20 : silty clay . Highly disturbed . .
- 21-38 : structureless silty clay.
- 36-39 : fine sand

Integrated Ocean Drilling Program
Visual Core Description

NO. 167
DATE: 29 / 12 / 2012
EXP.: 338
SITE/HOLE: C0002L
CORE: 22X
SECTION: CC
TOP DEPTH (m CSF): 482.64
OBSERBER: SR



SECTION DESCRIPTION

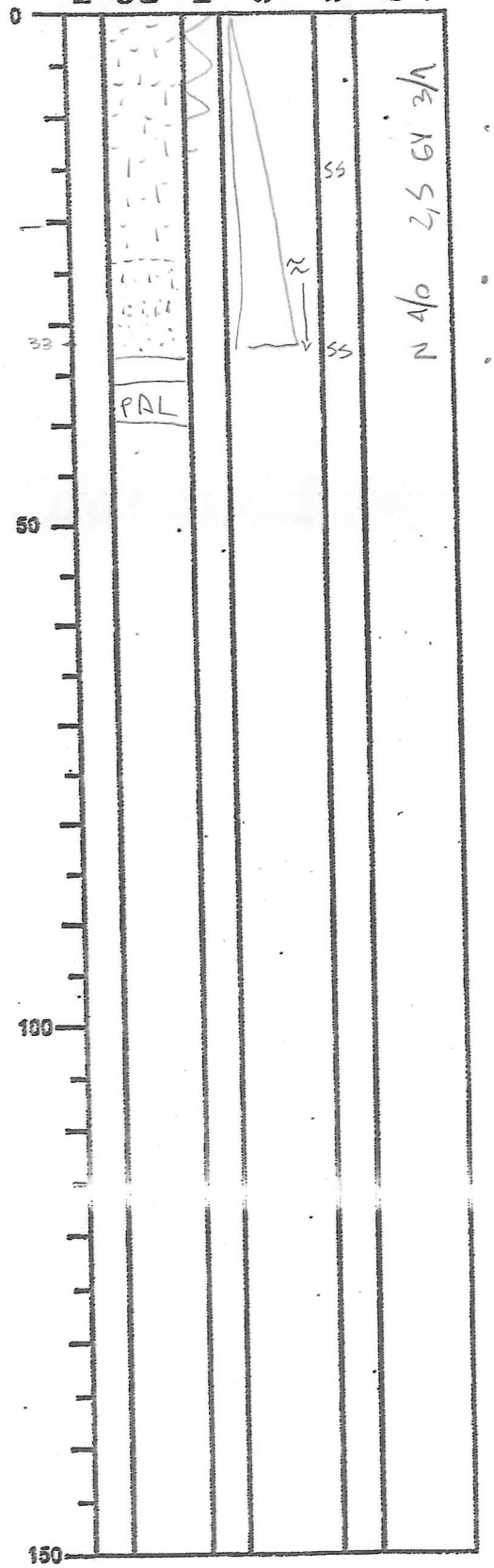
- 0-12 : fine dark sand . Soupy
- 13-20 : silty clay . Highly disturbed . . .
- 21-38 : structureless silty clay.
- 36-39 : fine sand

INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 168
DATE: 29 / 12 / 2012
EXP: 338
SITE/HOLE: C0002L
CORE: 23
SECTION: CC
OBSERBER: SR

486

Tot = 98,5 cm



- Dark olive gray silty clay

- 0-34 fining up. From dark fine sand to silty clay.
- 24-34: wispy lamination

CC is the only section available for this core. The rest was lost. (exploded after gas hydrate expansion)

Ver.0.10_071109

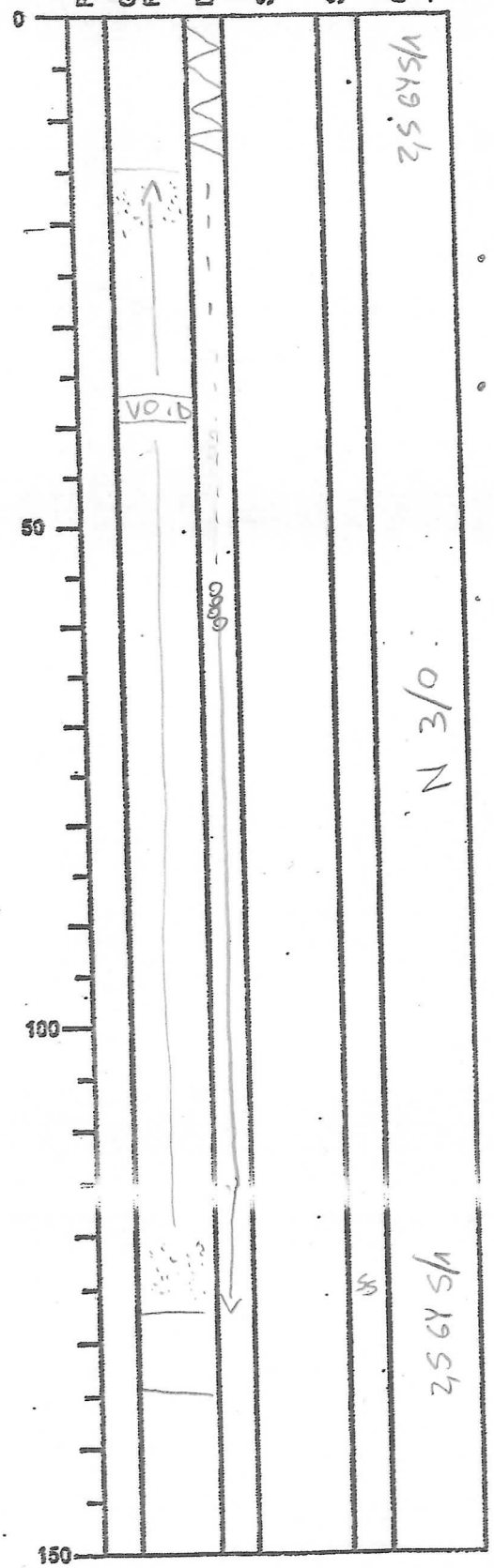
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 169
DATE: 27 / 12 / 2012
EXP: 338
SITE/HOLE: C9002L
CORE: 24X
SECTION: 1
OBSERBER: SR

Tot = 140 cm

SECTION DESCRIPTION

495.5



- 0–15. silty clay. Structureless. Highly disturbed
- 14,5 – 127. massive dark fine sand sharp contact at the base and top. Soupy below 55 cm w/ small holes (= gas expansion?)
- 128–140: Silty clay. Structureless

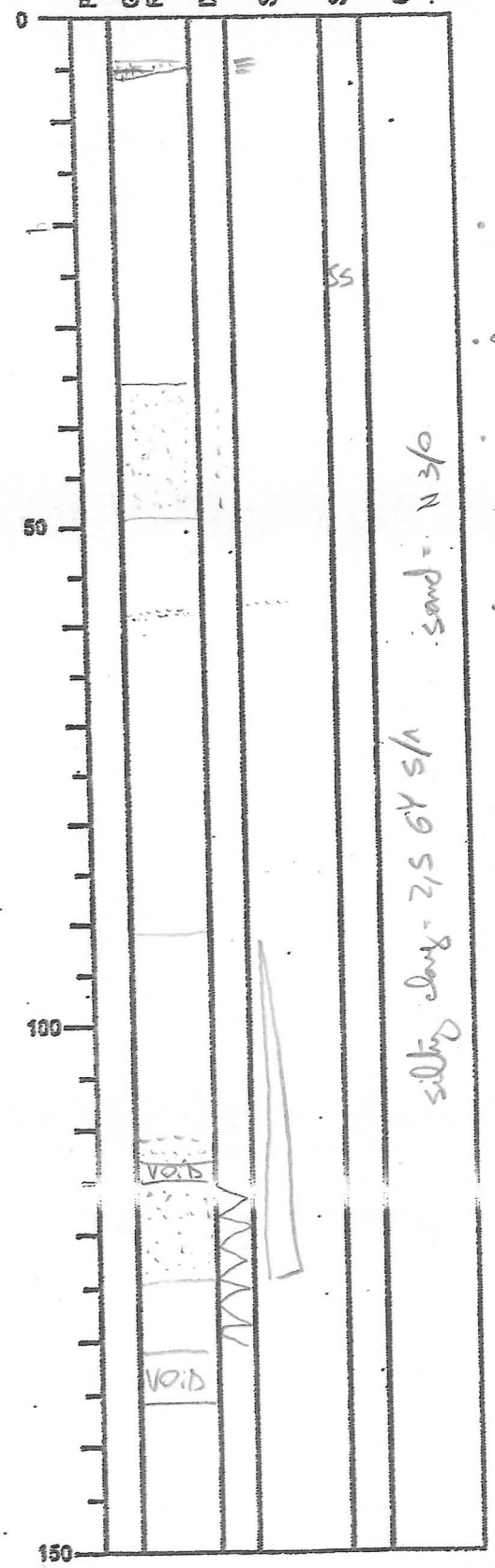
INTEGRATED OCEAN DRILLIGN PROGRAM
VISUAL CORE DESCRIPTION

NO. 170
DATE: 27 / 12 / 2012
EXP: 336
SITE/HOLE: C9002C
CORE: 24
SECTION: 2
OBSERBER: SR

Tot = 137cm

SECTION DESCRIPTION

496.895



- 4-5: sand. Planar layering
- 0-36: structureless silty clay.
- 36-47: dark fine sand. Cavities from gas expansion
- 47-76: structureless silty clay
- 59: sand lamina
- 76-92: dark fine sand. Cavities from gas expansion
- 93-120: fining up. From fine silty sand to silty clay

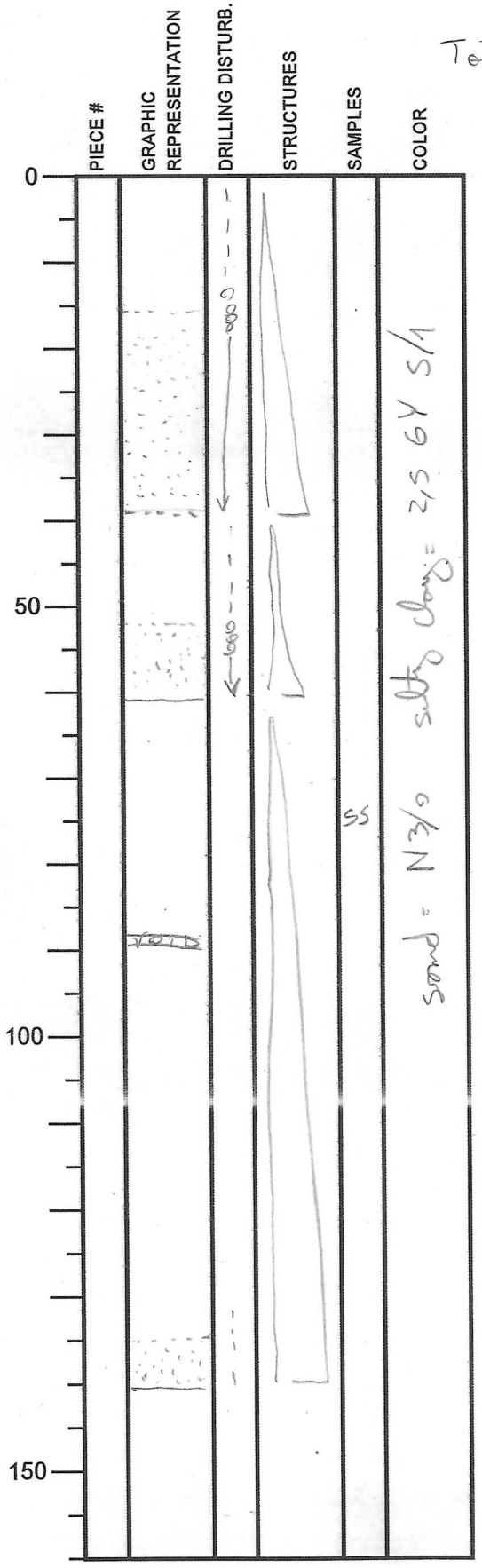
Ver.0.10_071109

Integrated Ocean Drilling Program
Visual Core Description

NO. 172
DATE: 27/12/2012
EXP.: 336
SITE/HOLE: C0002L
CORE: 24X
SECTION: 3
TOP DEPTH (m CSF): 498.26

OBSERBER: SR

Tot = 141 cm



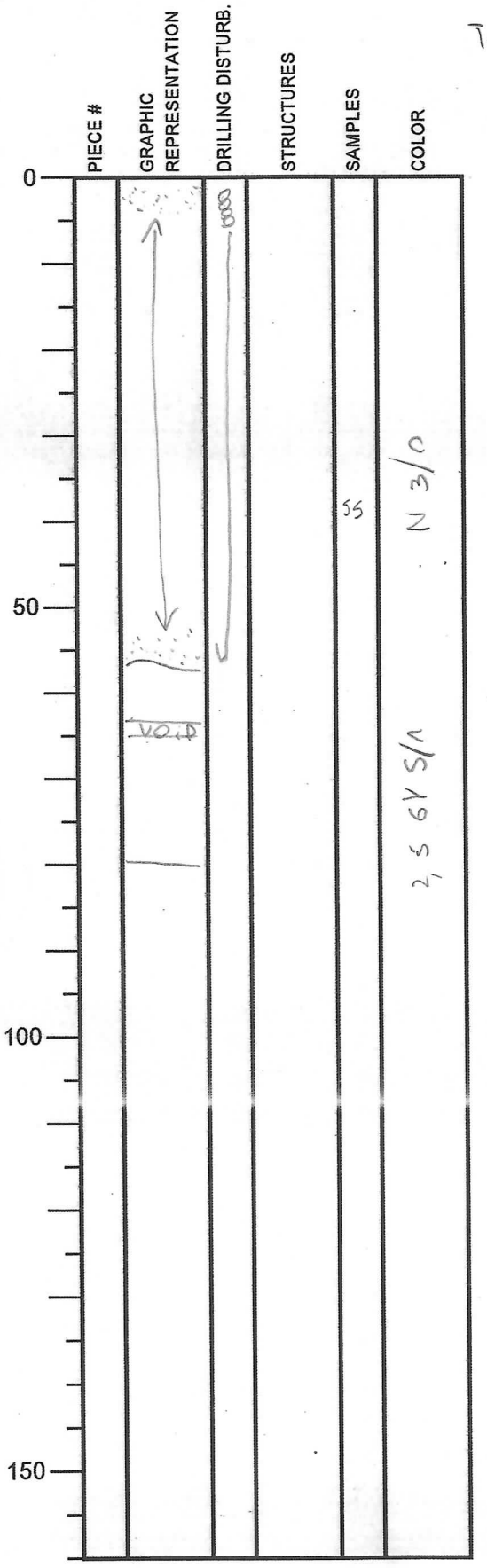
bent = not clean due to drilling disturbance

• 37, 62, 141 = base of fining upward package. From fine sand to silty clay

Integrated Ocean Drilling Program
Visual Core Description

NO. 173
DATE: 29/12/2012
EXP.: 338
SITE/HOLE: C0002L
CORE: 29X
SECTION: 4
TOP DEPTH (m CSF): 499.66
OBSERBER: SR

Tot = 80,5 cm



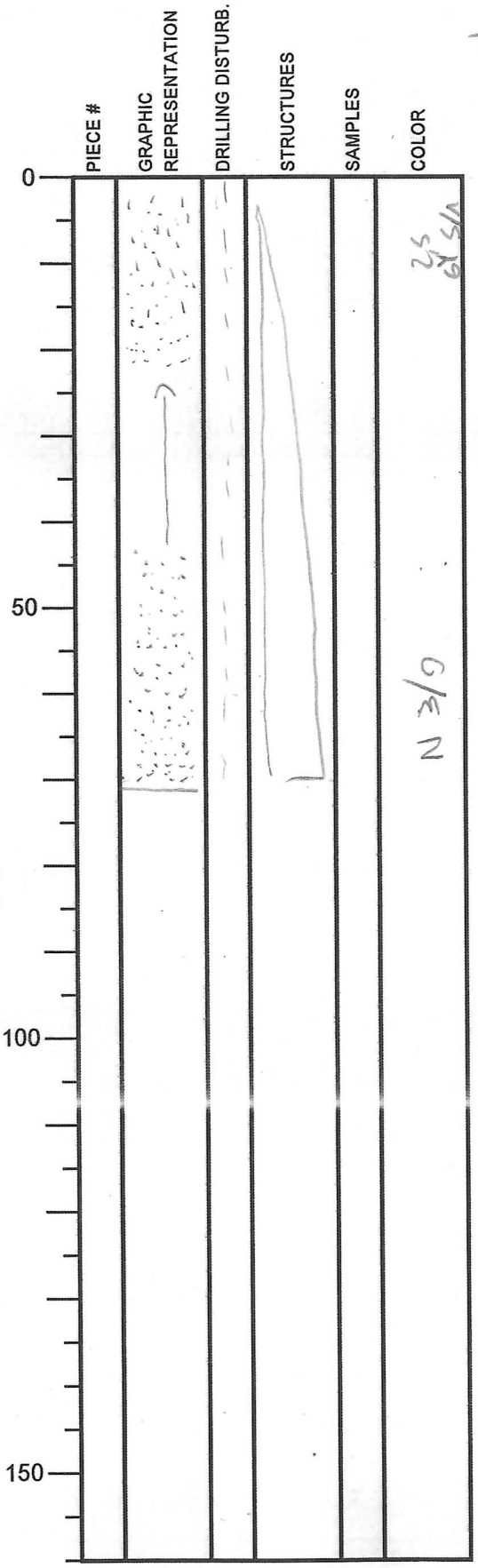
SECTION DESCRIPTION

0-55: dark sand Soupy. Cavities due to gas expansion

Integrated Ocean Drilling Program
Visual Core Description

NO. 174
DATE: 27/12 / 2012
EXP.: 338
SITE/HOLE: C0002L
CORE: 24X
SECTION: 6
TOP DEPTH (m CSF): 500.975
OBSERBER: SR

Tot = 71



SECTION DESCRIPTION

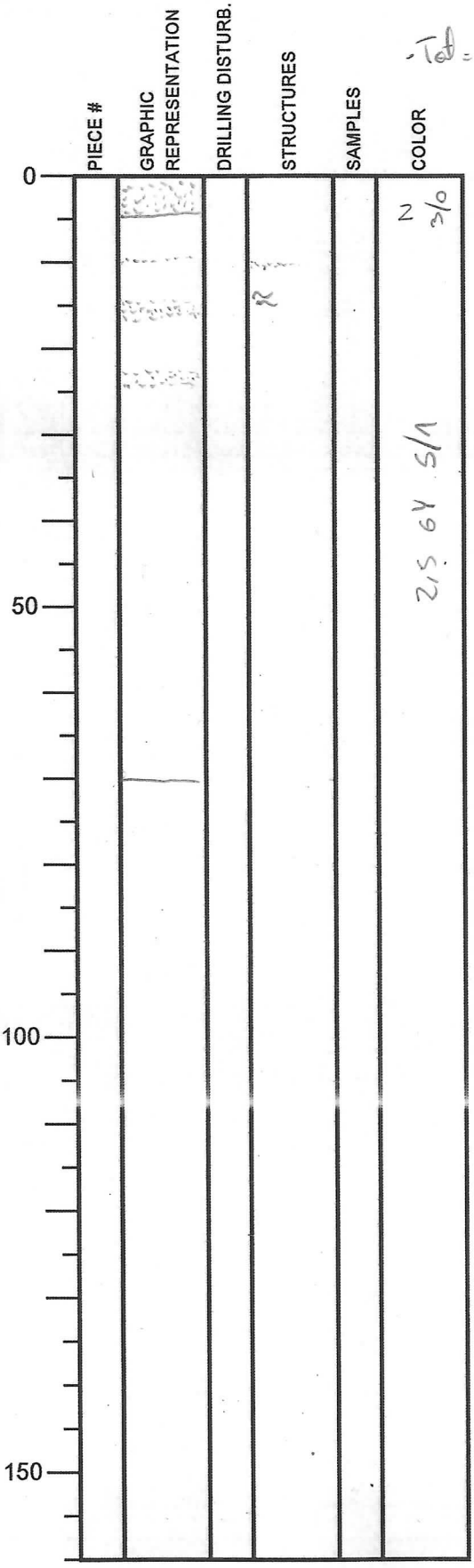
- 0-70 fining up. From fine black sand to silty sand

Integrated Ocean Drilling Program
Visual Core Description

NO. 175
DATE: 27 / 12 / 2012
EXP.: 338
SITE/HOLE: C0022
CORE: 24 X
SECTION: 7
TOP DEPTH (m CSF): 501.675

OBSERBER: SE

Tot = 70 cm



- 0-9 fine dark sand.
- 9: sand lamina
- 14-16: silty sand many lamination
- 22-24 " " "
- 25-70 = structureless silty clay

Integrated Ocean Drilling Program
Visual Core Description

NO. 176
DATE: 27/12/2012
EXP.: 338
SITE/HOLE: C0002L
CORE: 24X
SECTION: CC
TOP DEPTH (m CSF): 502.38
OBSERBER: SR

Tot: 39 cm