

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: COOZ4D
 CORE: 1H
 SECTION: 1
 TOP DEPTH (m CSF):

OBSERVER: MBU
 OBSERBER:

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
150						

SECTION DESCRIPTION

0-73 cm

Homogenized muddy sand

No structure

Dark brown

Volcanic-glass dominant

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024C
 CORE: 1H
 SECTION: 2
 TOP DEPTH (m CSF):

OBSERVER: MBU

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
150						

SECTION DESCRIPTION

0-64 cm
 Homogenized muddy sand
 No structure

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 1H
 SECTION: 3
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
150						

SECTION DESCRIPTION

OBSERVER: MBU

0-103 cm
 Homogenized muddy sand
 No structure
 Dark brown

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 1H
 SECTION: 4
 TOP DEPTH (m CSF):

OBSERVER: MBU

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
150						

SECTION DESCRIPTION

0-102 cm
 Homogenized muddy sand
 No structure
 Dark brown

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 1H
 SECTION: 5
 TOP DEPTH (m CSF):

OBSERVER: MBU

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100					*	
150						

SECTION DESCRIPTION

0-117 cm
 Homogenized muddy sand
 structureless
 Dark brown

more mud from 90-117 cm

SS - 82 cm

Smear Slide show
volcanic glass-rich sediment

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C00240
 CORE: 1H
 SECTION: CC
 TOP DEPTH (m CSF):

OBSERVER: MBU

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
		PAL				
50						
100						
150						

SECTION DESCRIPTION

0-18 cm
 Homogenized muddy sand to
 sandy mud
 18-24 cm
 PAL-WR

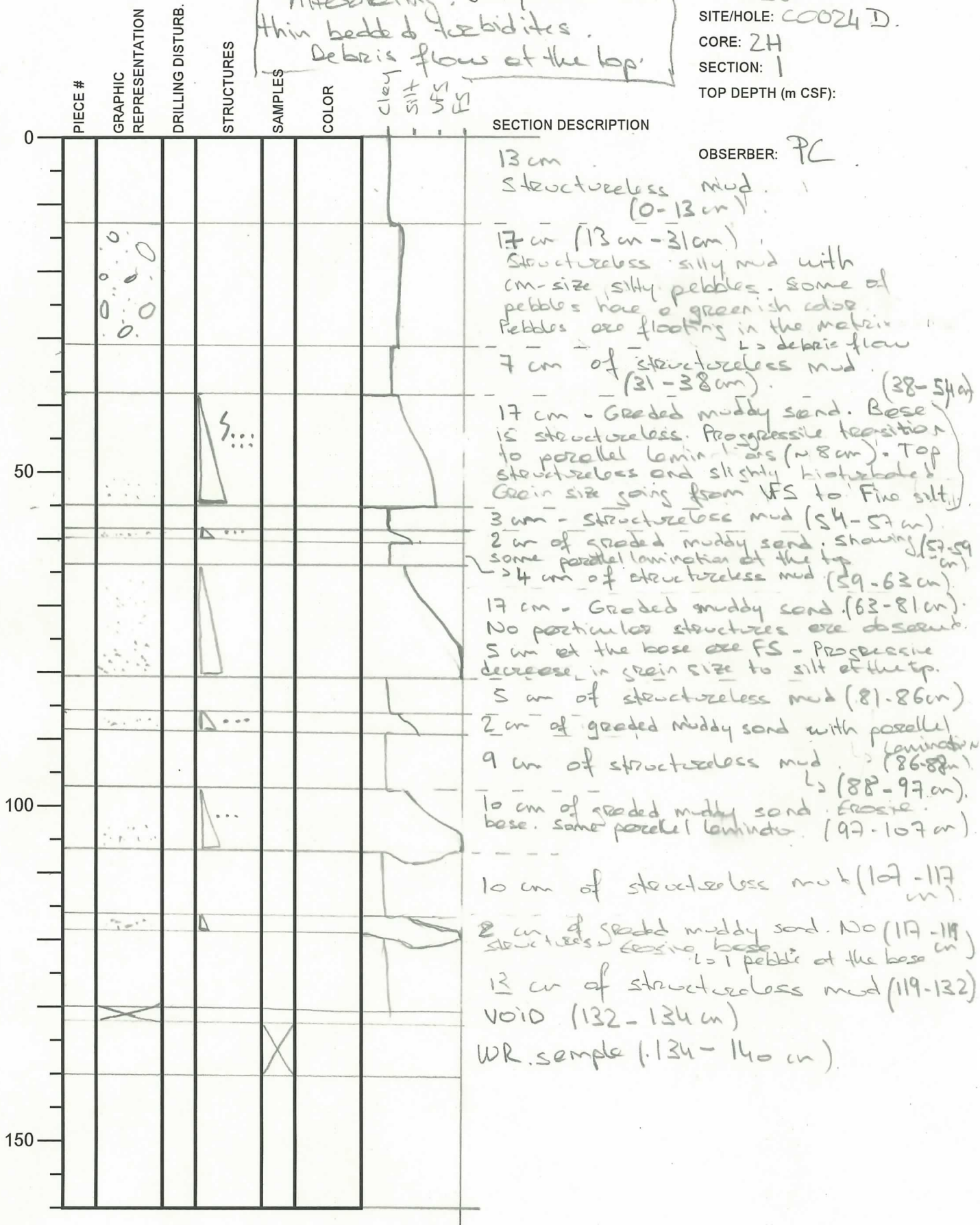
International Ocean Discovery Program

Visual Core Description

NO. 1
 DATE: 13 / 08 / 2019
 EXP.: 358
 SITE/HOLE: C0024 D
 CORE: 2H
 SECTION: 1
 TOP DEPTH (m CSF):

Alternating, very-thin and thin beds of foraminifera.
 Debris flow at the top.

SECTION 1 => 0 - 140 cm.

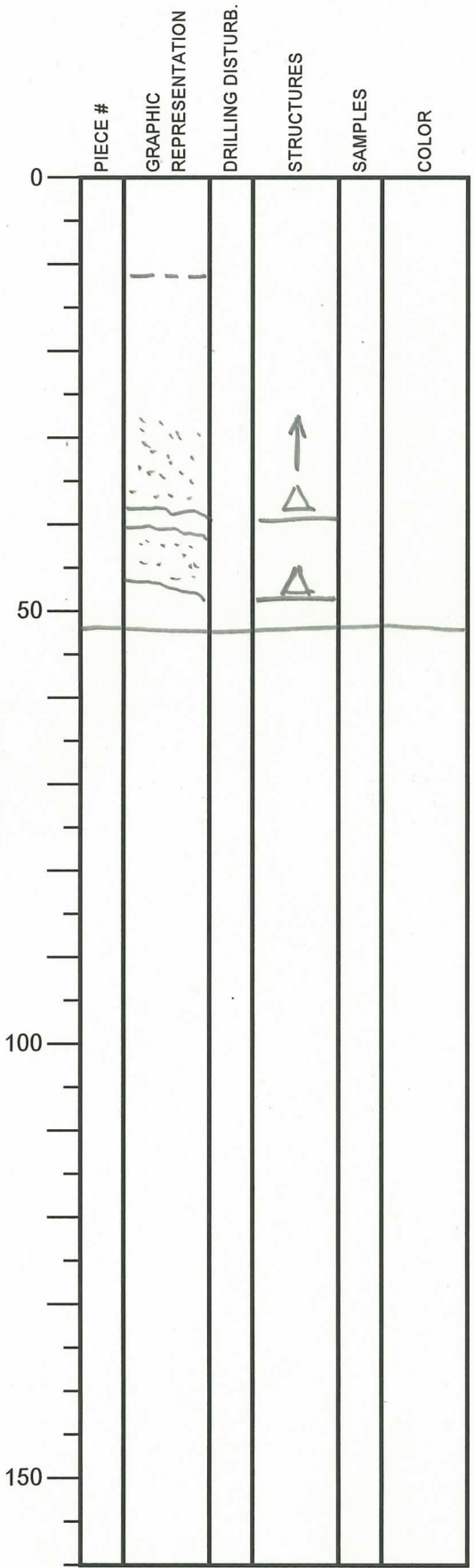


OBSERVER: PC

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 2H
 SECTION: 2
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MBU

0-12 gray silty clay - clayey silt
 slightly mottled

diffuse top

12-39 cm graded sand - dark gray
 sharp irregular base

41-46 cm graded sand
 sharp top/base

inclined bedding

39-41 cm silty clay

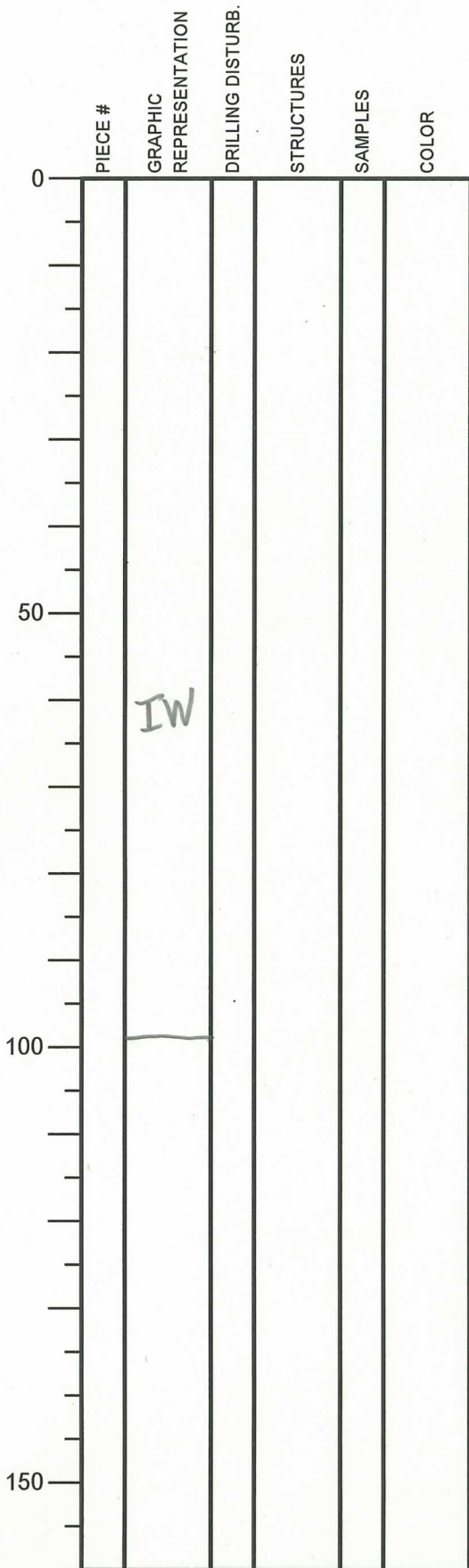
46-52 cm structureless

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Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 2H
 SECTION: 3
 TOP DEPTH (m CSF):

OBSERVER: MBU

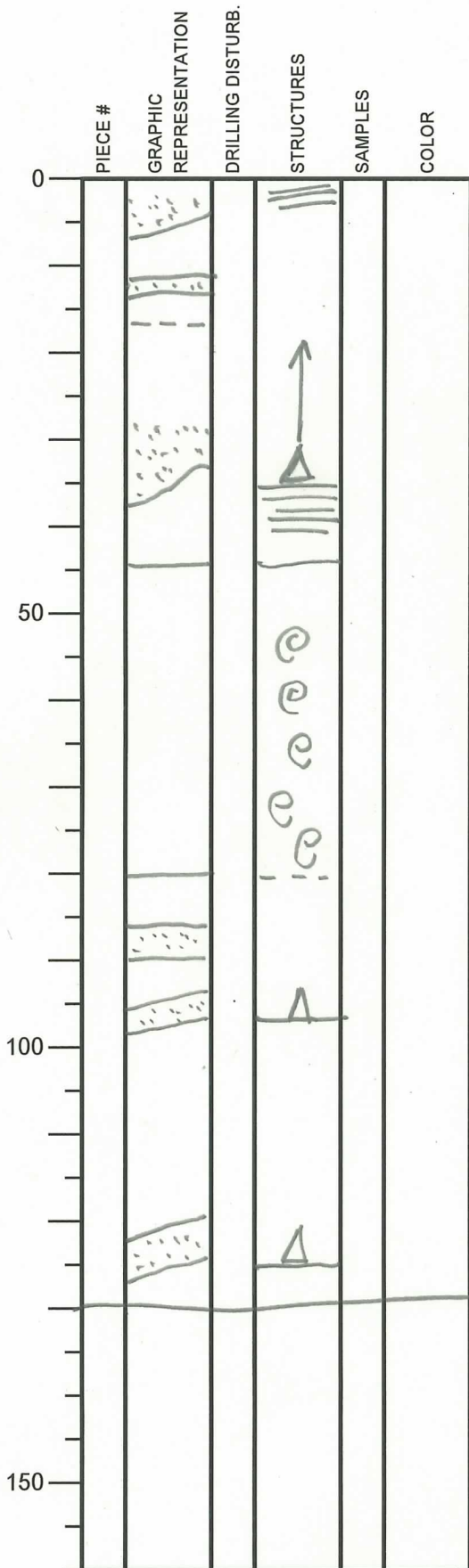


SECTION DESCRIPTION

0-99 cm IW-WR

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Visual Core Description

NO.
DATE: 3/13/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: ZH
SECTION: 4
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MBU

0-8 cm sandy laminae
 8-16 cm silty clay
 16-35 cm graded sand, sharp base
 diffuse top
 sand laminae 35-45 cm
 45-80 cm disrupted mix sand &
 silty clay
 mottled
 88-90 cm graded sand
 96-99 cm graded sand
 interbeds of silty clay - clayey silt
 122-125 cm graded sand

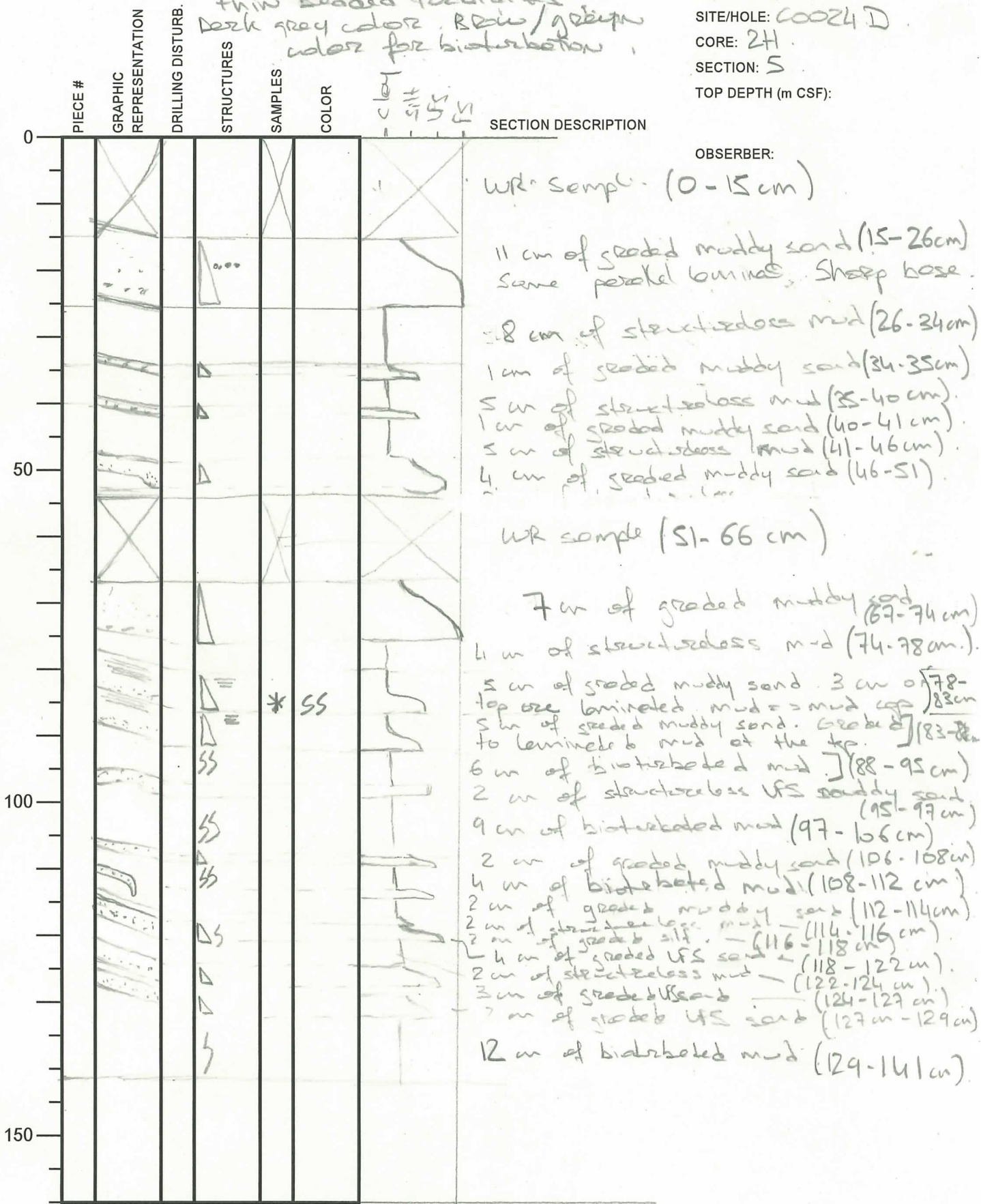
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Visual Core Description

Alternating very thin to thin bedded turbidites
 Dark grey color. Brown/greyish color for bioturbation.

NO.
 DATE: 3/03/2019
 EXP.: 358
 SITE/HOLE: C0024 D
 CORE: 2H
 SECTION: S
 TOP DEPTH (m CSF):

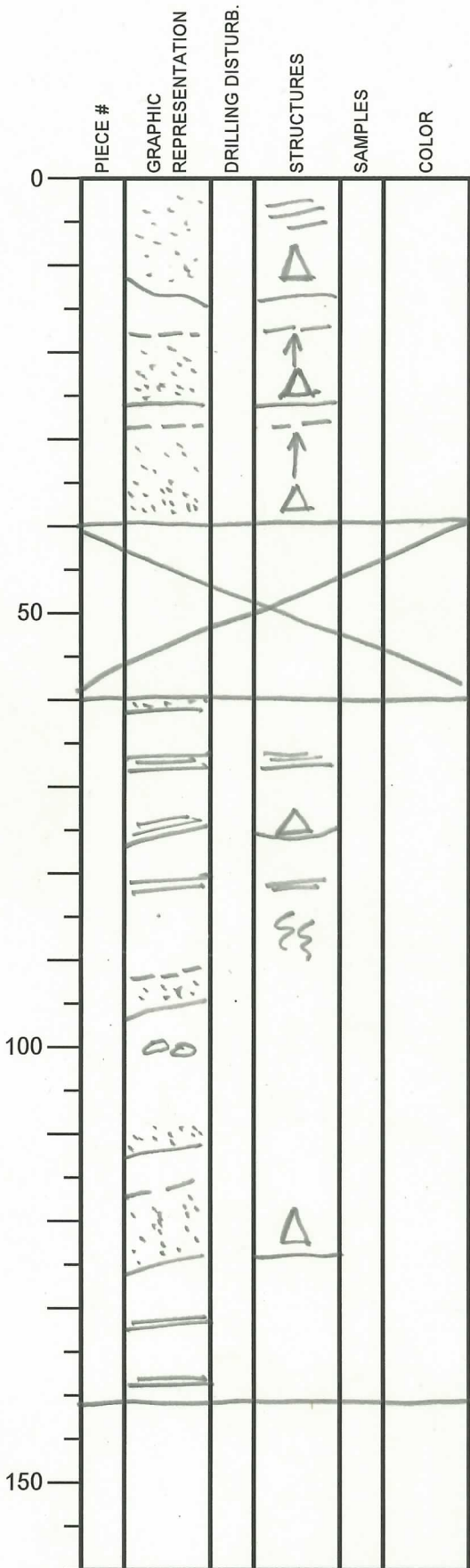
Section S = 0-141 cm



International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 2H
 SECTION: 6
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

0-13 graded sand, gray to dark gray
 18-27 cm graded sand
 29-40 cm dark gray graded sand
 base probably sampled in WR

DSWR
 probably in graded sand to silt

66-68 cm graded fine sand
 74-76 cm graded sand, sharp base

Mottled, bioturbated silty clay to clayey silt, scattered foram shells

95-98 cm graded fine sand

100 cm. - white clasts, possible concretions

112-114 graded sand

121-126 silty sand, finer grained, also graded

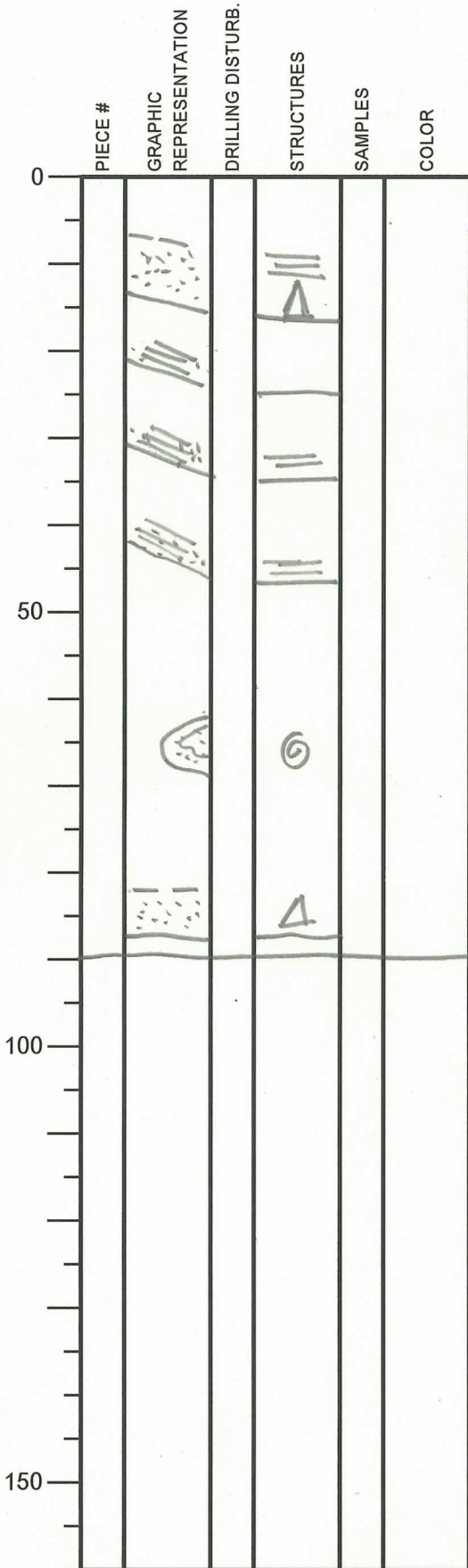
132 cm }
 136 cm } sand laminae
 140 cm }

silty clay is clearly lighter gray than ss

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Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 24
 SECTION: 7
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MBM

8-13 cm graded sand, sharp base

20-22 cm graded sand

28-30 cm graded sand

42-45 cm sand laminae

64-67 cm contorted sand-silt
 possible coring disturbances

83-87 graded sand diffuse top

interbeds btwn. sand beds
 composed of gray silty clay to
 clayey silt
 structureless to mottled
 sand layers are darker gray

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Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 2H
 SECTION: 8
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		IW				
50						
100						
150						

SECTION DESCRIPTION

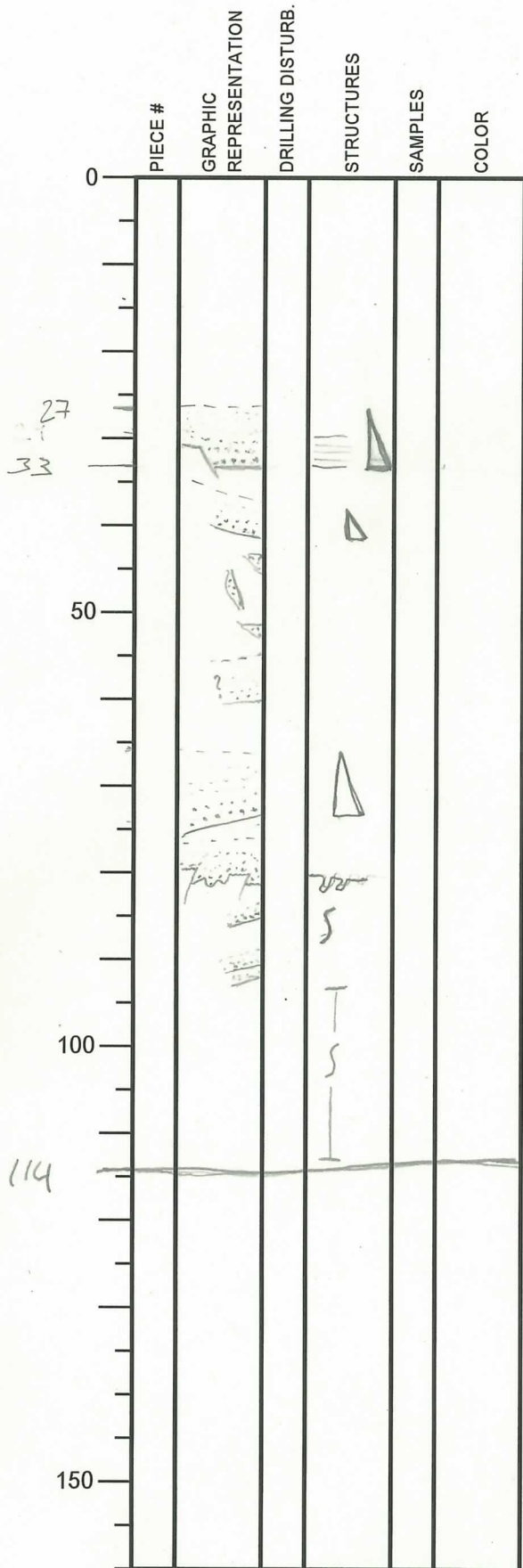
OBSERVER:

all to IW WR

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Visual Core Description

NO.
 DATE: 1/20/19-03-13
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 2H
 SECTION: 9
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: Dami

0-27 silty clay / clayey silt

27-33 cm graded fine sand to silt; 30-33 cm slightly laminated
 small normal fault (15 mm offset)

36-40 cm graded fine sand to silt

40-66 cm silty clay / clayey silt; fine sand lenses, possibly placed by faulting?

66-74 cm graded sand

76(?) - 81 graded fine sand to silt; base cut by several normal faults (10-20 mm offset); erosive basal contact

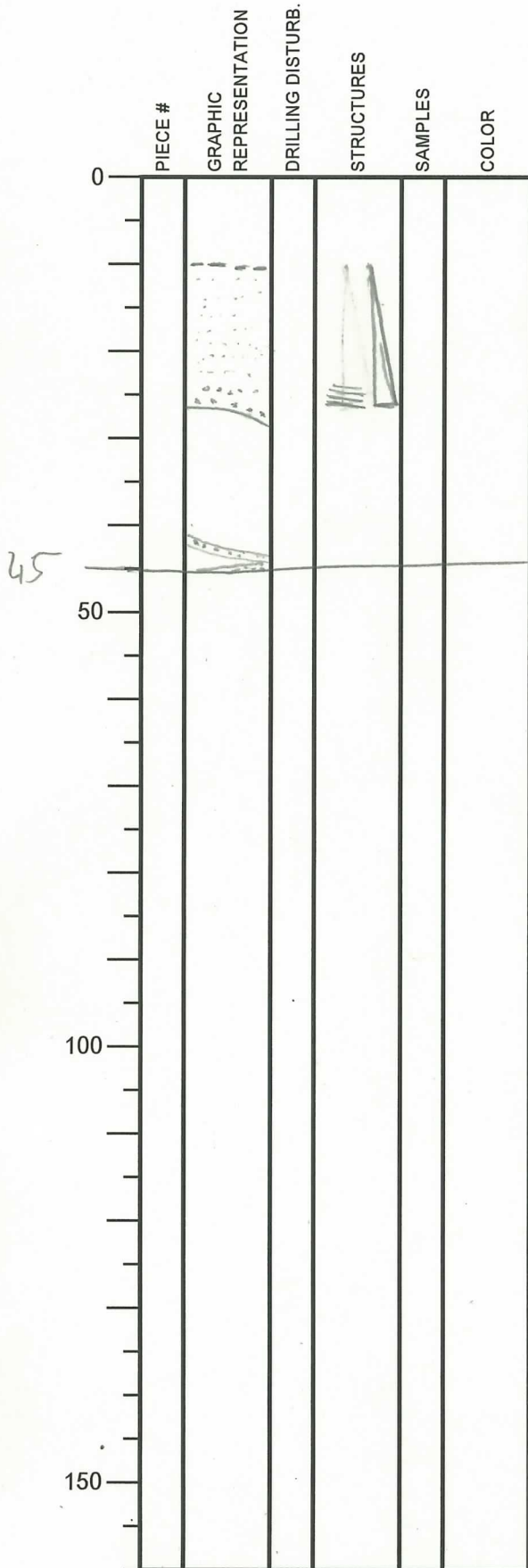
81-94: silty clay - clayey silt w/ 3 silty-sandy laminae, slightly graded few burrows in clay

94-114: clayey silt. very slightly bioturbated. darker than silty clay

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Visual Core Description

NO.
 DATE: / /20
 EXP.: 358
 SITE/HOLE: C024 D
 CORE: 2H
 SECTION: 10
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

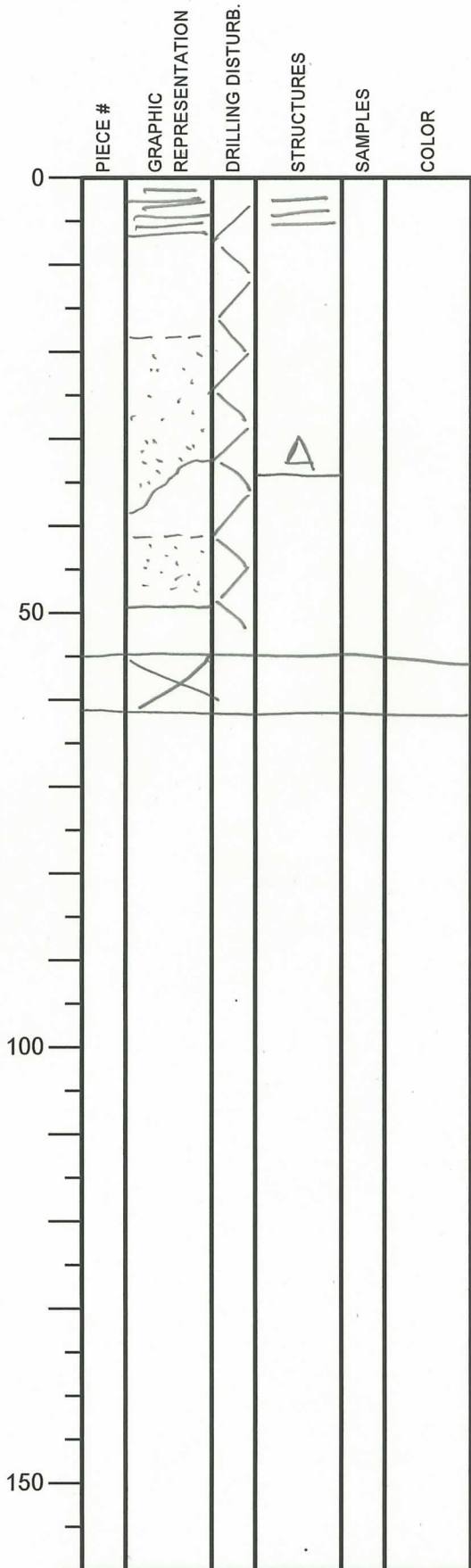
0-10 cm clayey silt
 10-27: graded sand, 24-27 cm lamination
 27-45 cm clayey silt; some sand grains
 sand layers @ 42-43 & 44-45 cm

OBSERVER: Dami

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/13/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 2H
 SECTION: CC
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER:

Disturbed layering
 0-7 cm laminae, sand-silt
 18-35 cm graded sand, steeply dipping
 base, disrupted top
 broken laminae

 41-49 cm gray sand
 interbedded with
 PAL WR gray silty clay

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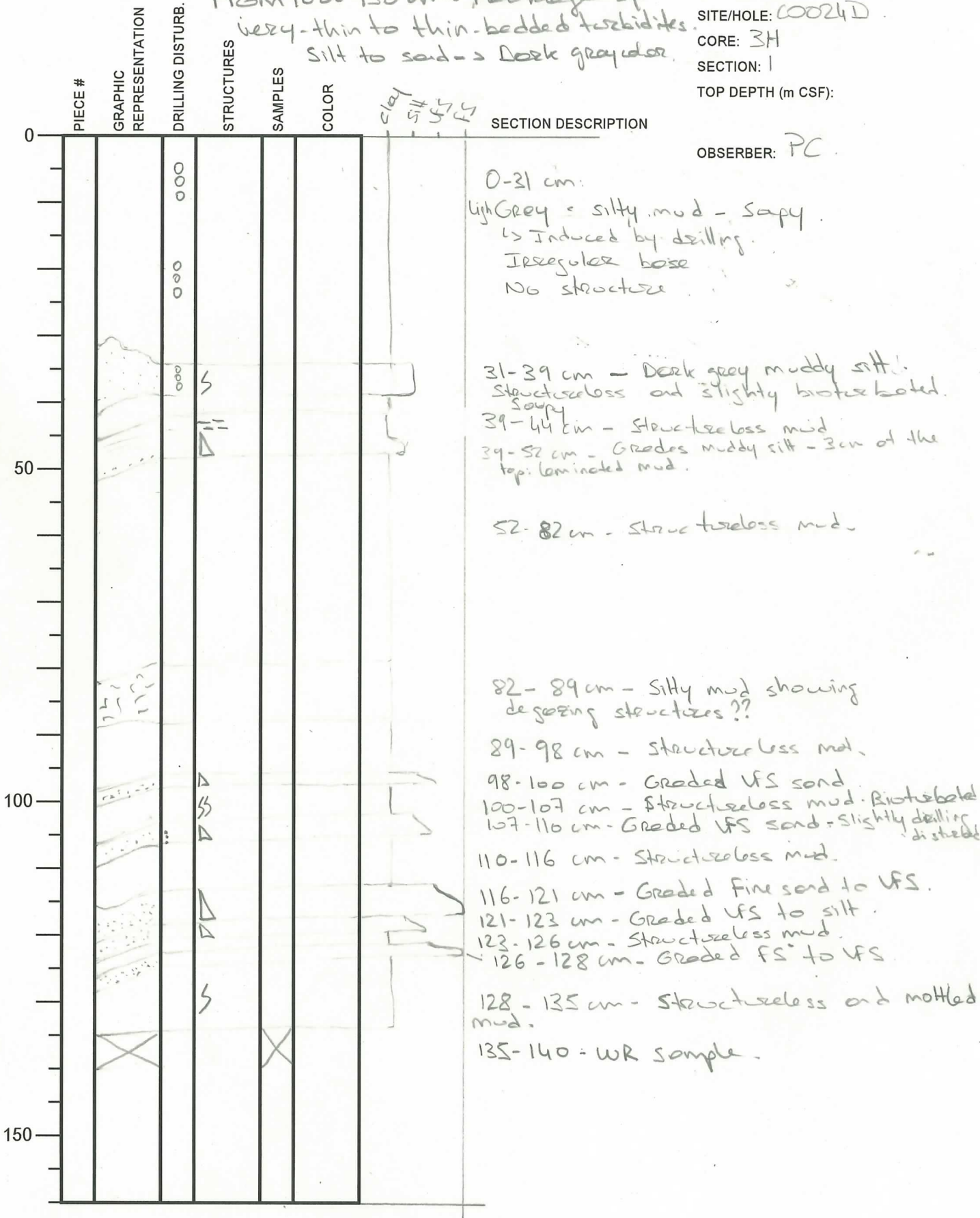
Visual Core Description

Top affected by drilling.
 From 100-130 cm - Package of
 very-thin to thin-bedded turbidites.
 Silt to sand -> Dark grey color.

NO. 1
 DATE: 12/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 3H
 SECTION: 1
 TOP DEPTH (m CSF):

OBSERVER: PC

Section 1 => 0-140 cm.



International Ocean Discovery Program

Visual Core Description

NO. 2
 DATE: 13/03/2019
 EXP.: 358
 SITE/HOLE: 0024D
 CORE: 3H
 SECTION: 2
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		X			X	
50						
100						
150						

SECTION DESCRIPTION

OBSERVER: Pauline

0-16,5 cm - IW sample.

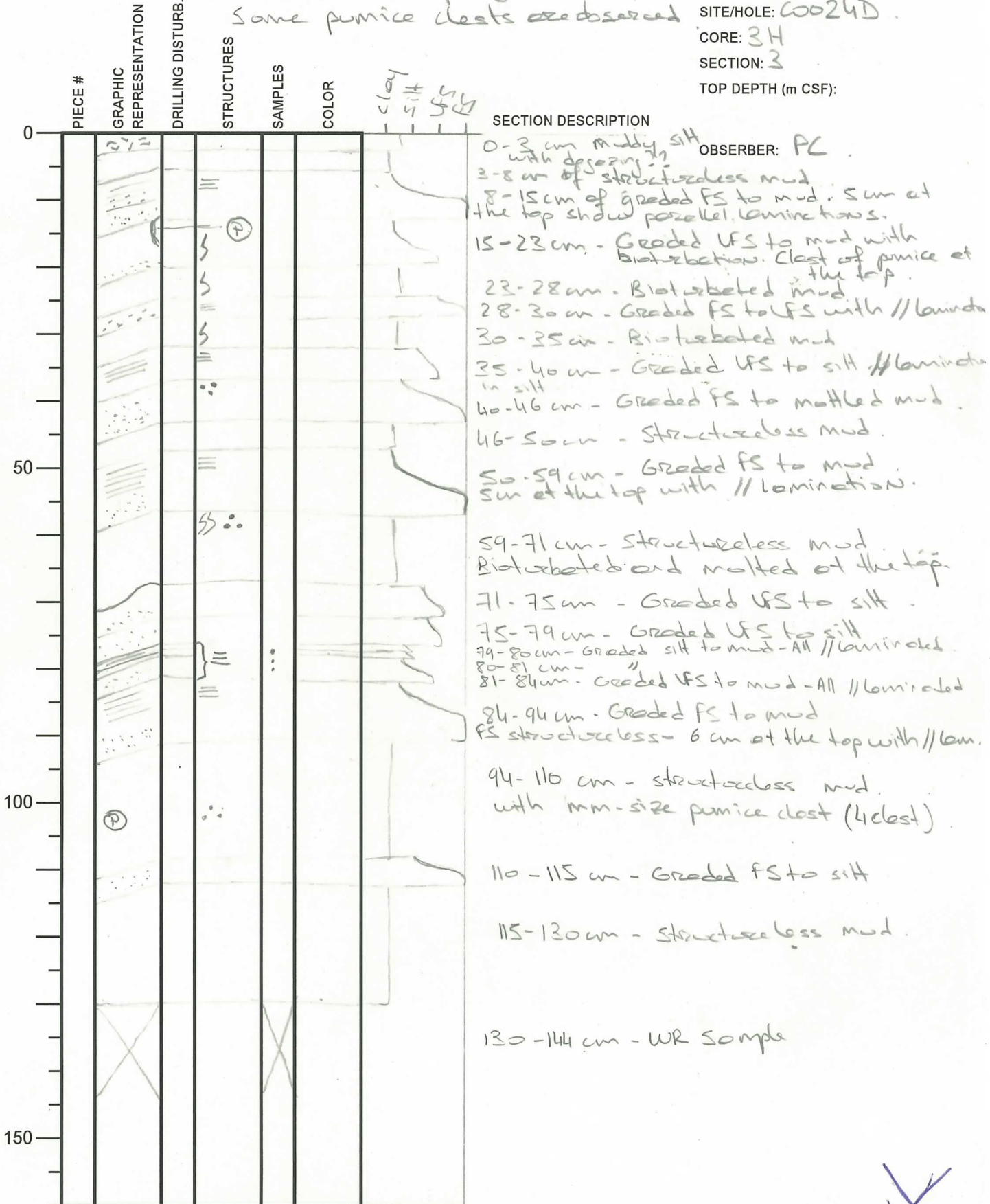
International Ocean Discovery Program

Visual Core Description

Alternating thin to very thin bedded turbidites with hemipelagic mud.
Some pumice clasts observed

NO. 3
DATE: 13/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 3H
SECTION: 3
TOP DEPTH (m CSF):

Section 3: 0-144 cm



International Ocean Discovery Program

Visual Core Description

Alternating very thin and thin bedded turbidites with structureless and bioturbated hemipelagic mud.

NO. 4
 DATE: 13/07/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 3H
 SECTION: 4
 TOP DEPTH (m CSF):

Section 4: 0-143.5 m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR	SECTION DESCRIPTION
0						0-7 cm - Graded silt to mud. OBSERVER: PC
			SS			7-20 cm - Structureless mud Bioturbation at the top
			Δ			20-24 cm - Graded FS to UFS - slightly drilling disturbed.
			≡ Δ			24-38 cm - Graded UFS to mud. 10 cm at the top are laminated and slightly drilling disturbed.
			Δ			38-41 cm - Structureless mud.
			≡			41-43 cm - Graded UFS
			≡			43-45 cm - Structureless mud.
			∴			45-51 cm - Graded FS to mud. 3 cm at the top are laminated and
50			SS			51-69 cm - Structureless and bioturbated mud. + (lost of Mottled at the top: Amicr.
			Δ			69-72 cm - Graded UFS to silt
			∴			72-83 cm - Structureless mud.
			Δ			83-85 cm - Graded UFS to silt.
			∴			85-91 cm - Graded and laminated UFS to silt
			SS			91-102 cm - Structureless / bioturbated light grey mud.
100			SS			102-108 cm Structureless silty mud. bioturbation
						108-112 cm - Graded UFS to silt
						112-116 cm - Graded FS to silt
						116-131 cm - Structureless mud
						131-144 cm - WR sample
150						

International Ocean Discovery Program

Visual Core Description

Alternating thin to very thin bedded
fine to silt grained turbidite with
structureless hemipelagic mud.

NO. 5
DATE: 2/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 3H
SECTION: 5
TOP DEPTH (m CSF):

Section 5: 0-143.5m

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR	SECTION DESCRIPTION
0						0-17m structureless mud with some drilling induced structures. Light grey color
						17-21cm graded UFS
						21-25cm - structureless muddy silt
						25-28cm - laminated silty mud
						28-30cm - Graded FS to UFS
50						30-60cm - structureless/mottled/bioturbated mud
						60-70cm = Deformed dark-grey mud - sheet fold - slump deposit
						70-74cm - Graded silt - Irregular base
						74-82cm - Graded silt to mud (2cm)
						74-89cm - Graded FS to bioturbated mud 3cm of mud cap
100						89-107cm - Structured mud. Mottled at the top
						107-113cm - Graded UFS to silt with parallel lamination
						113-127cm - Structureless mud. Mottled at the top
						127-132cm - Graded UFS - Irregular base
						132-135cm - Structureless mud
						135-137cm - Graded silt
150						137-143.5cm - Structureless mud

OBSERVER: PC

International Ocean Discovery Program

Visual Core Description

Top of section: Alternating thin bedded to very thin bedded turbidite and hemipelagic bioturbated mud.

Base of section: Alternating structureless/laminated dark grey and grey mud.

NO. 6
 DATE: 13/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 3H
 SECTION: 6
 TOP DEPTH (m CSF):

Section 6: 0-106 m.

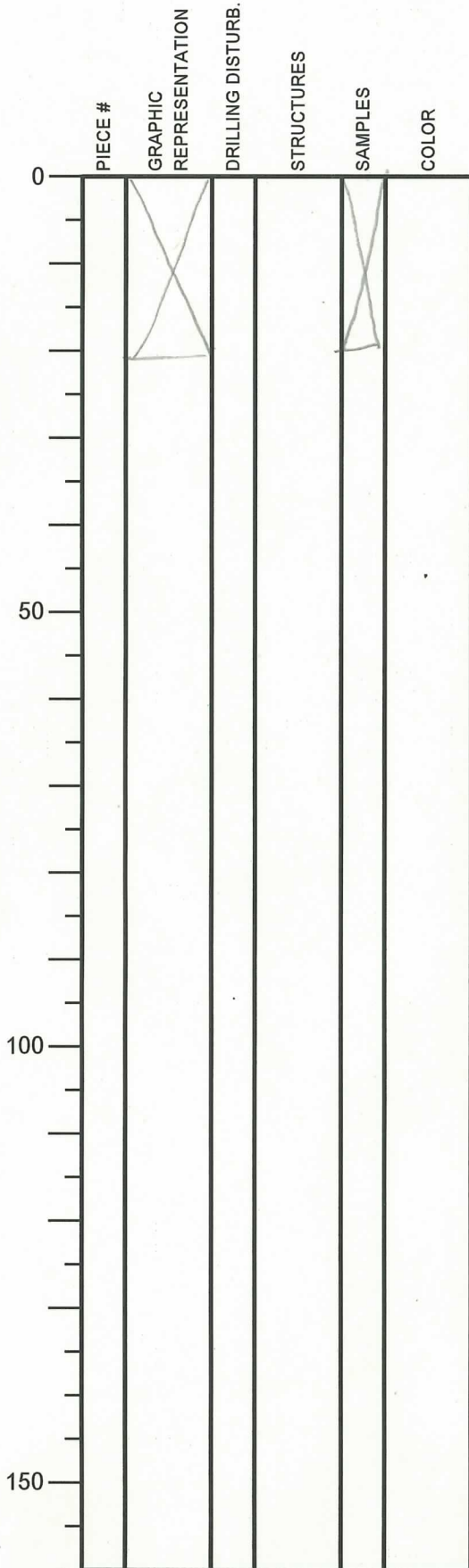
PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR	SECTION DESCRIPTION
0						2 m of structureless mud 2-9 cm graded FS with parallel lamination and dust of silt at the base OBSERVER: JC
						9-20 cm - Structureless/bioturbated/mottled mud.
						20-22 cm - Graded silt
						22-25 cm - Structureless/bioturbated mud.
						25-30 cm - Graded LFS.
						30-37 cm - Laminated mud - Drilling disturbance at
						37-42 cm - Graded LFS.
50						42-90 cm - Structureless mud with intervals of more laminated mud 2 cm at the top shows a greenish color. Brown/grey color in general lamination -> alternating brown/grey and dark grey color Closest of silt at the top. Bioturbation and mottled appear at the top.
100						90-104 cm - Structureless silty mud (dark grey color)
						104-106 cm - Structureless grey mud
150						

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Visual Core Description

NO. 7
 DATE: 13/03/2019
 EXP.: 258
 SITE/HOLE: 60024D
 CORE: 3H
 SECTION: 7
 TOP DEPTH (m CSF):

OBSERVER: PC



SECTION DESCRIPTION

0-21 m => IW sample

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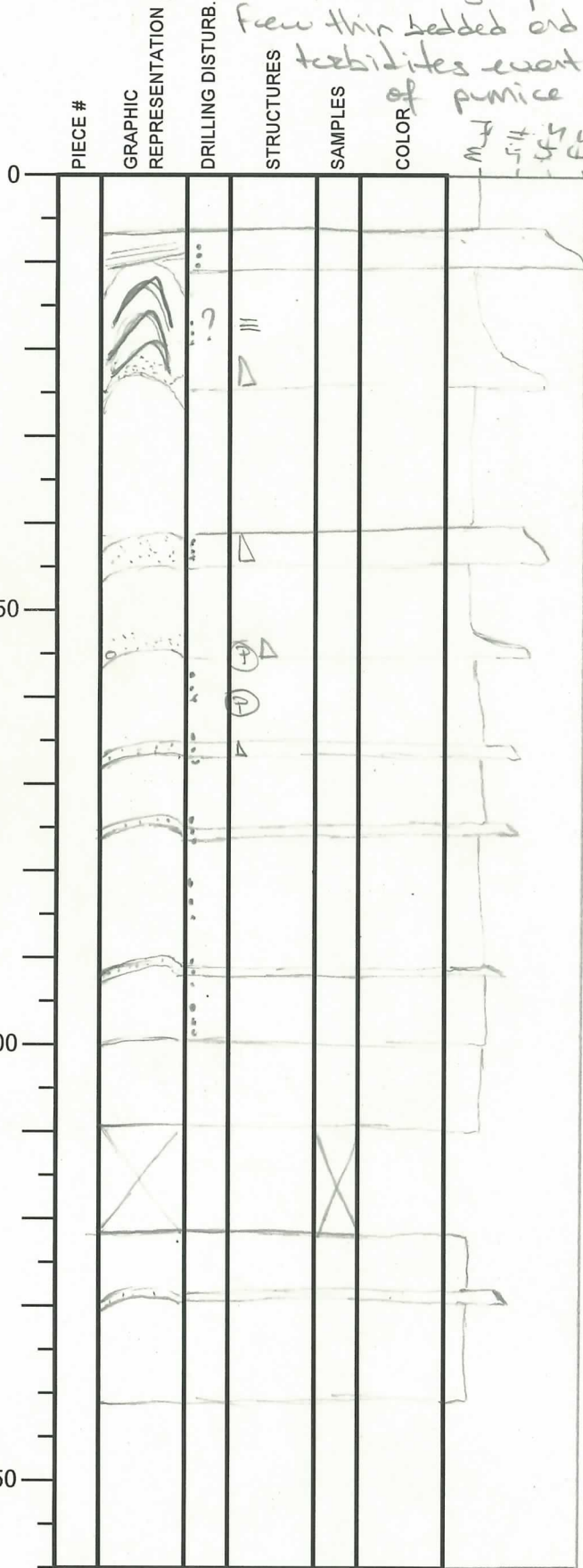
Visual Core Description

High content in mud - 2 main type of mud:
 1. Brown/grey mud 2. Dark grey silty mud

Few thin bedded and very thin bedded
 turbidites events with clast
 of pumice.

NO. 8
 DATE: 3/28/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 3H
 SECTION: 8
 TOP DEPTH (m CSF):

SECTION 8: 0 - 142 cm



SECTION DESCRIPTION

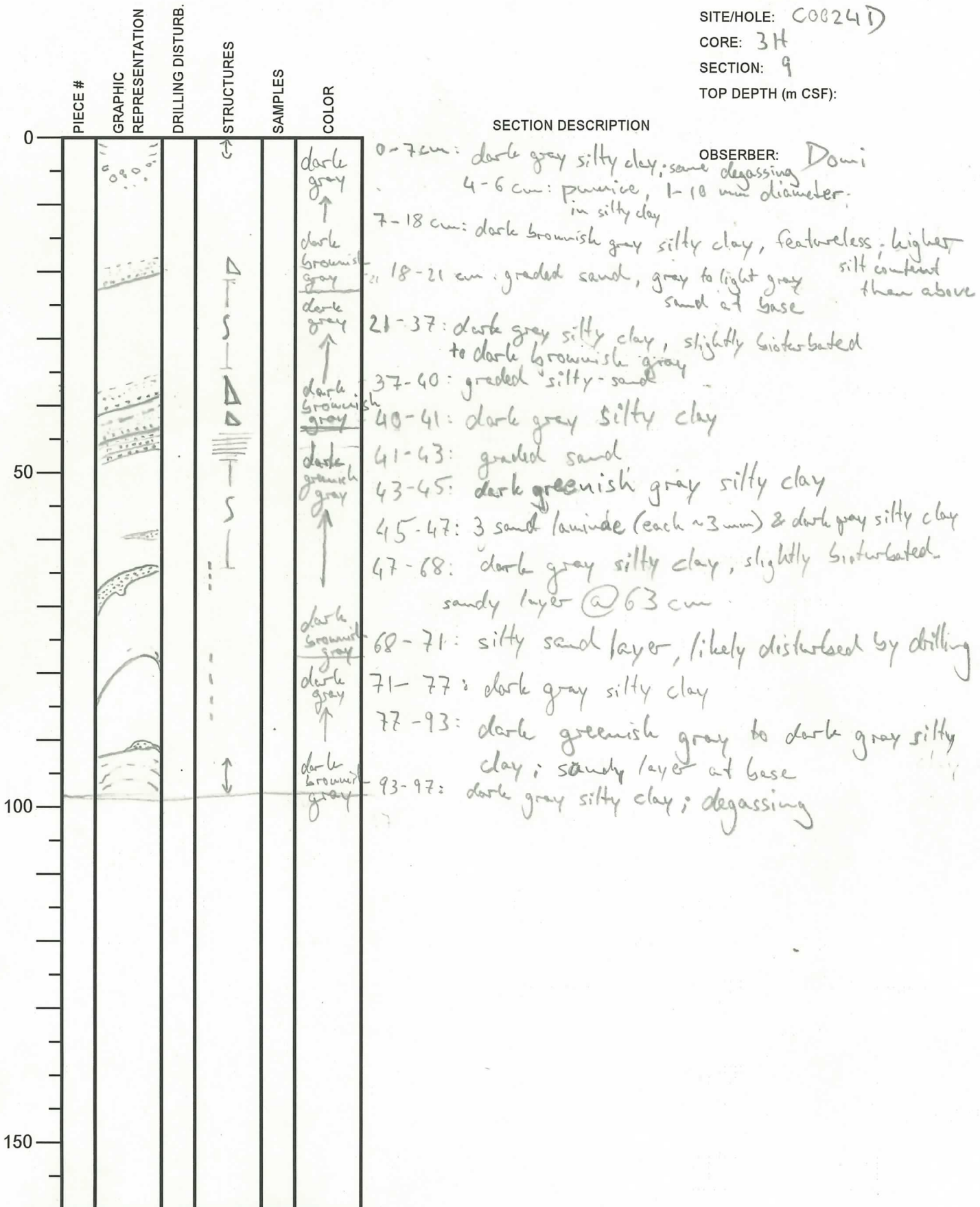
OBSERVER: PC

0-6 cm of structureless grey mud
 6-11 cm of graded fs with parallel laminae
 Cross laminae at the top.
 11-25 cm of graded muddy fs to mud
 Deformation: induced by drilling?
 slump deposit?
 laminated
 dypos fluid escape?
 25-42 cm: Structureless mud
 Greenish color at the top.
 Light grey mud at the bottom
 42-45 cm: Graded fs
 45-57 cm: Graded fs - clast of pumice
 at the base - 2 cm of fs at the base.
 57-67 cm: Structureless dark grey silty
 mud with 1 clast of pumice
 edges are drilling disturb.
 67-68 cm - Graded silt
 68-73 cm - structureless dark grey
 silty mud
 73-74 cm - Graded muddy silt
 74-92 cm - Dark grey structureless silty mud
 92-93 cm - Graded muddy silt
 93-100 cm - Dark grey structureless
 silty mud
 100-109 cm - Brown grey structureless
 mud
 109-121 cm - WR Sample
 121-129 cm: Brown grey structureless
 mud
 129-130 cm: Graded silt
 130-142 cm: Dark grey silty mud.
 structureless.

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Visual Core Description

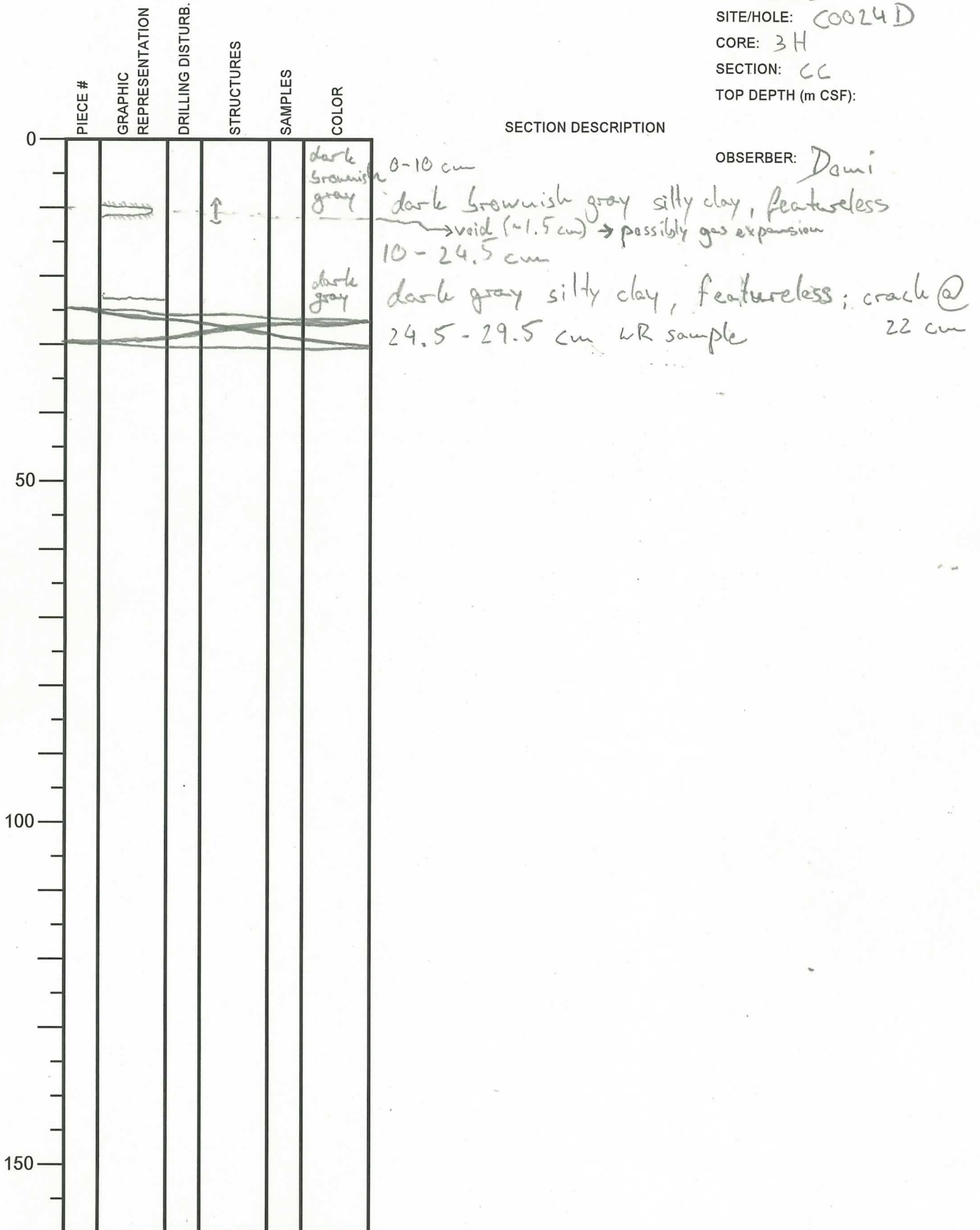
NO.
 DATE: ~~7/20~~ 2019-03-13
 EXP.: 358
 SITE/HOLE: C08241
 CORE: 3H
 SECTION: 9
 TOP DEPTH (m CSF):



International Ocean Discovery Program

Visual Core Description

NO.
 DATE: / / 2019-03-13
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 3H
 SECTION: CC
 TOP DEPTH (m CSF):



International Ocean Discovery Program

Visual Core Description

0-135cm: Dark olive gray

INTERBEDS OF SILTY CLAY AND FINE SAND

NO.

DATE: 14/3/2019

EXP.: 358

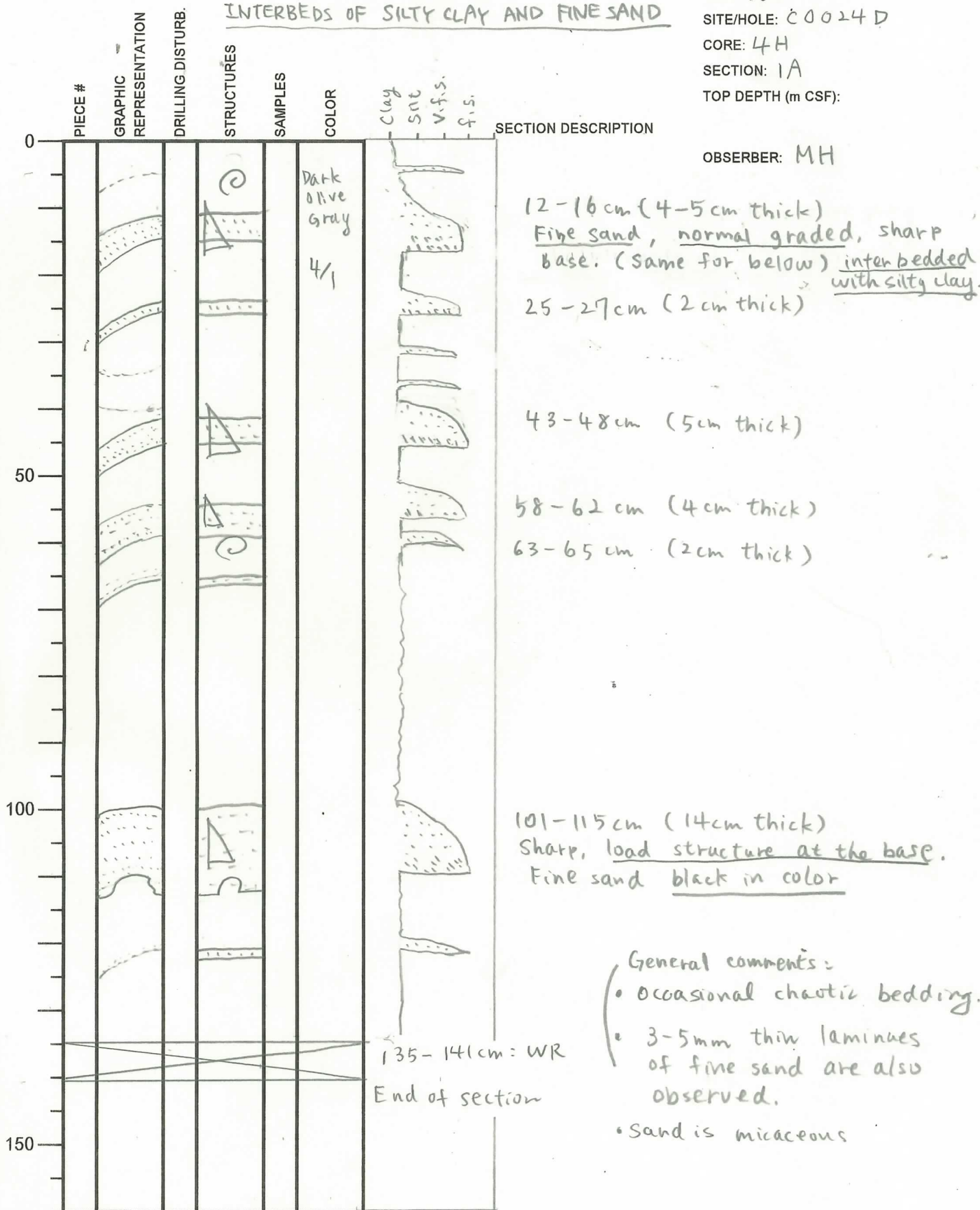
SITE/HOLE: C0024D

CORE: 4H

SECTION: 1A

TOP DEPTH (m CSF):

OBSERVER: MH



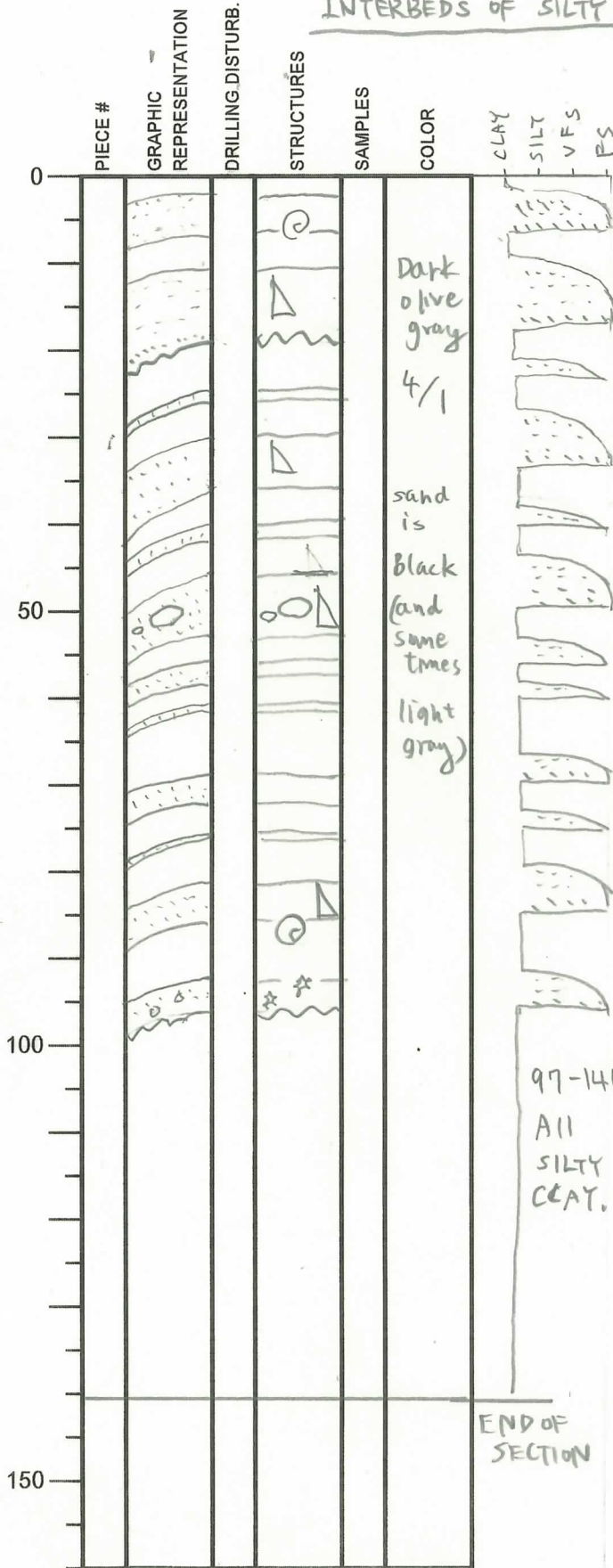
International Ocean Discovery Program

Visual Core Description

0-141 cm = Dark olive gray

INTERBEDS OF SILTY CLAY AND FINE SAND

NO.
DATE: 14/3/20 19
EXP.: 358
SITE/HOLE: C0024 D
CORE: 4H
SECTION: 2A
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MH

- 3-8 cm (5 cm thick)
FINE SAND interbedded with SILTY CLAY
- 10-18 cm (8 cm thick) (same for below)
Black sand, scoured base
- 25-25.5 cm (0.5 cm thick)
- 33-38 cm (5 cm thick)
- 40-42 cm (2 cm thick)
- 49-53 cm (4 cm thick)
- 58-60 cm (2 cm thick) white sand
- 61-62 cm (1 cm thick)
- 70-74 cm (4 cm thick)
- 78-78.3 cm (0.3 cm thick)
- 83-86 cm (3 cm thick)
- 94-97 cm (3 cm thick)
Black sand, scoured base

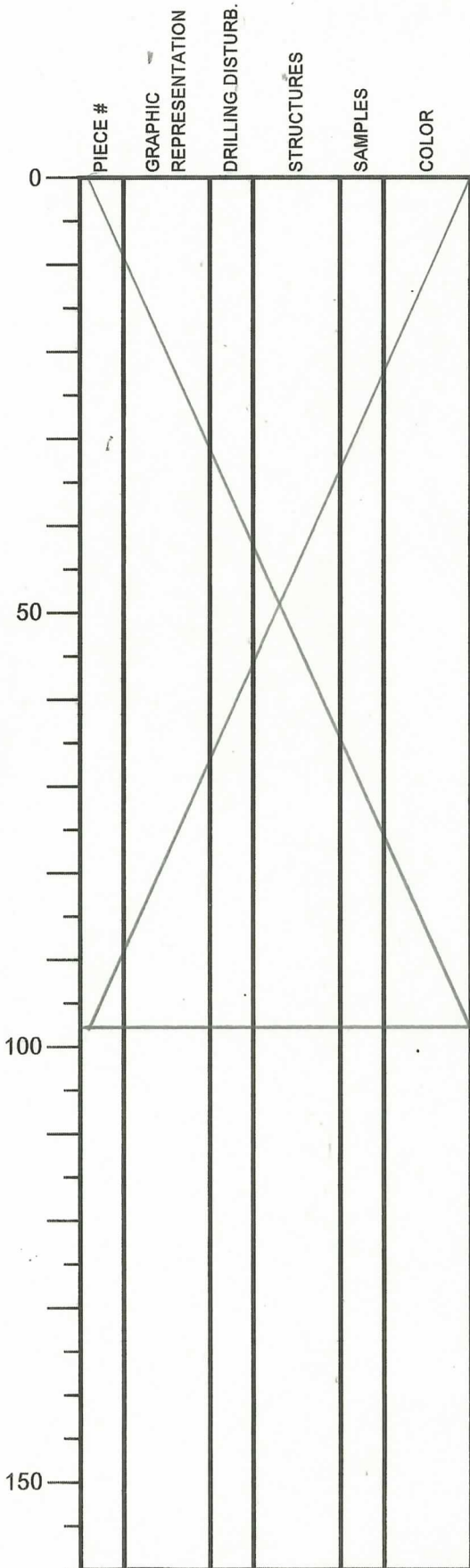
General Comment;

- Most sand layer is black in color, but some sand layer is white. Sand is micaceous. Generally normal grading.
- Silt clast and ash bits (black + white) are sometimes included in sand layer. Black bits could be organics?
- Occasionally disturbed bedding (due to slumping and/or bioturb.)

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 14/3/20
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 4H
 SECTION: 3A
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

0-98.5cm
 IW

OBSERVER: MH

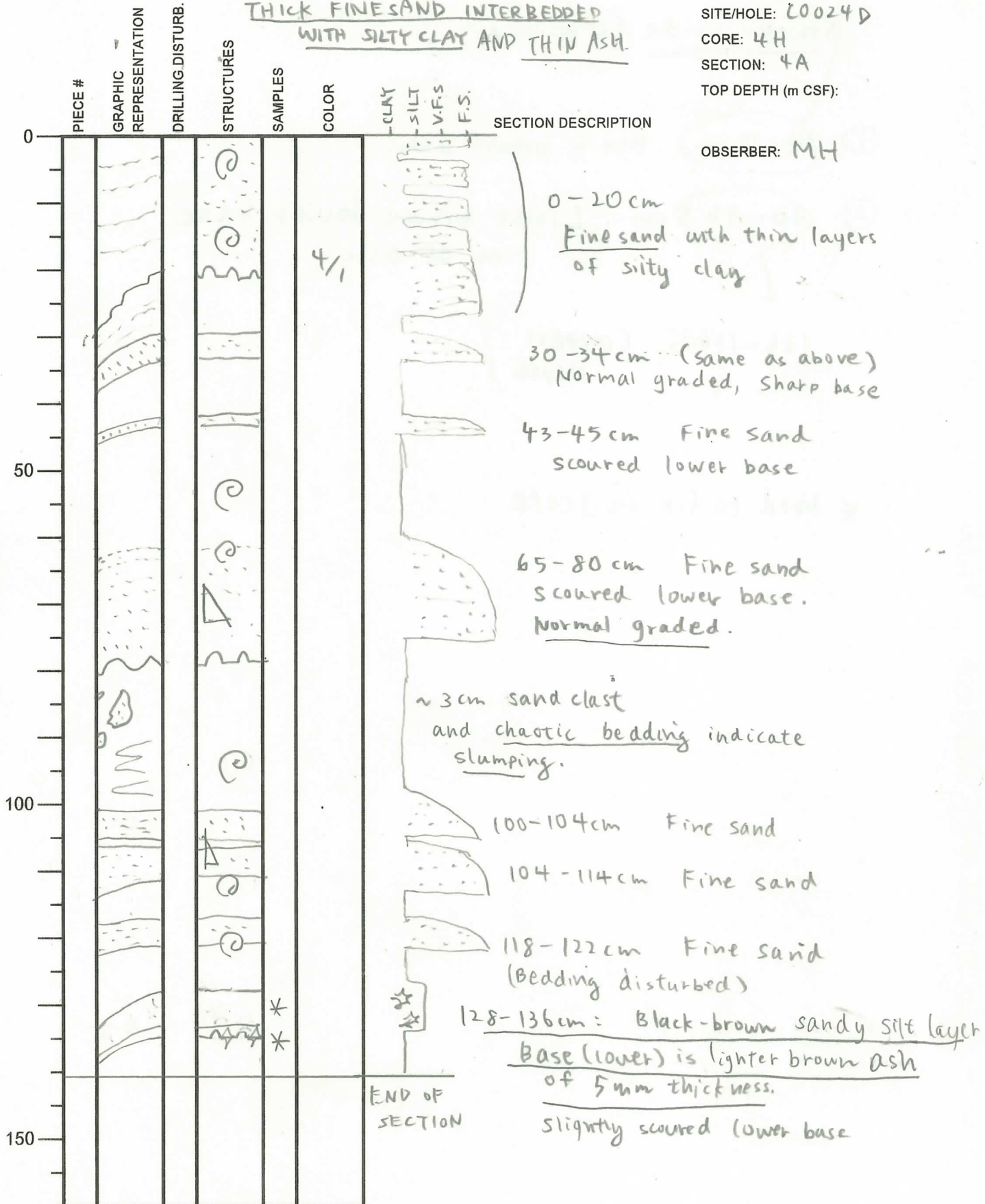
International Ocean Discovery Program

Visual Core Description

0 - 142 cm = dark olive gray

THICK FINE SAND INTERBEDDED WITH SILTY CLAY AND THIN ASH.

NO.
DATE: 14/3/20
EXP.: 358
SITE/HOLE: 20024D
CORE: 4H
SECTION: 4A
TOP DEPTH (m CSF):



OBSERVER: MH

International Ocean Discovery Program

Visual Core Description

0-143 cm: Dark olive gray

INTERBEDDED SILTY CLAY AND FINE SAND

NO.

DATE: 14/3/20 19

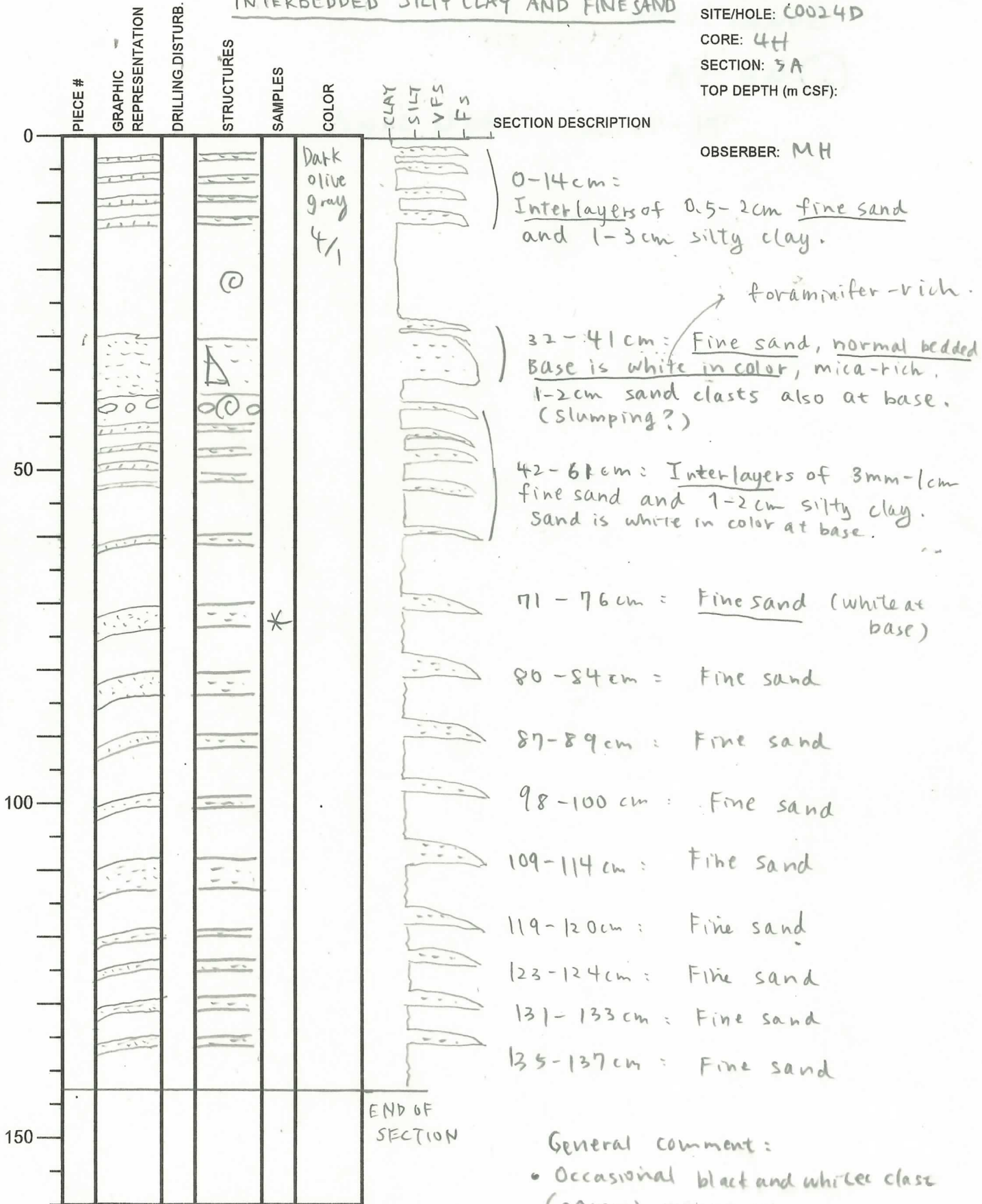
EXP.: 358

SITE/HOLE: C0024D

CORE: 4H

SECTION: 5A

TOP DEPTH (m CSF):

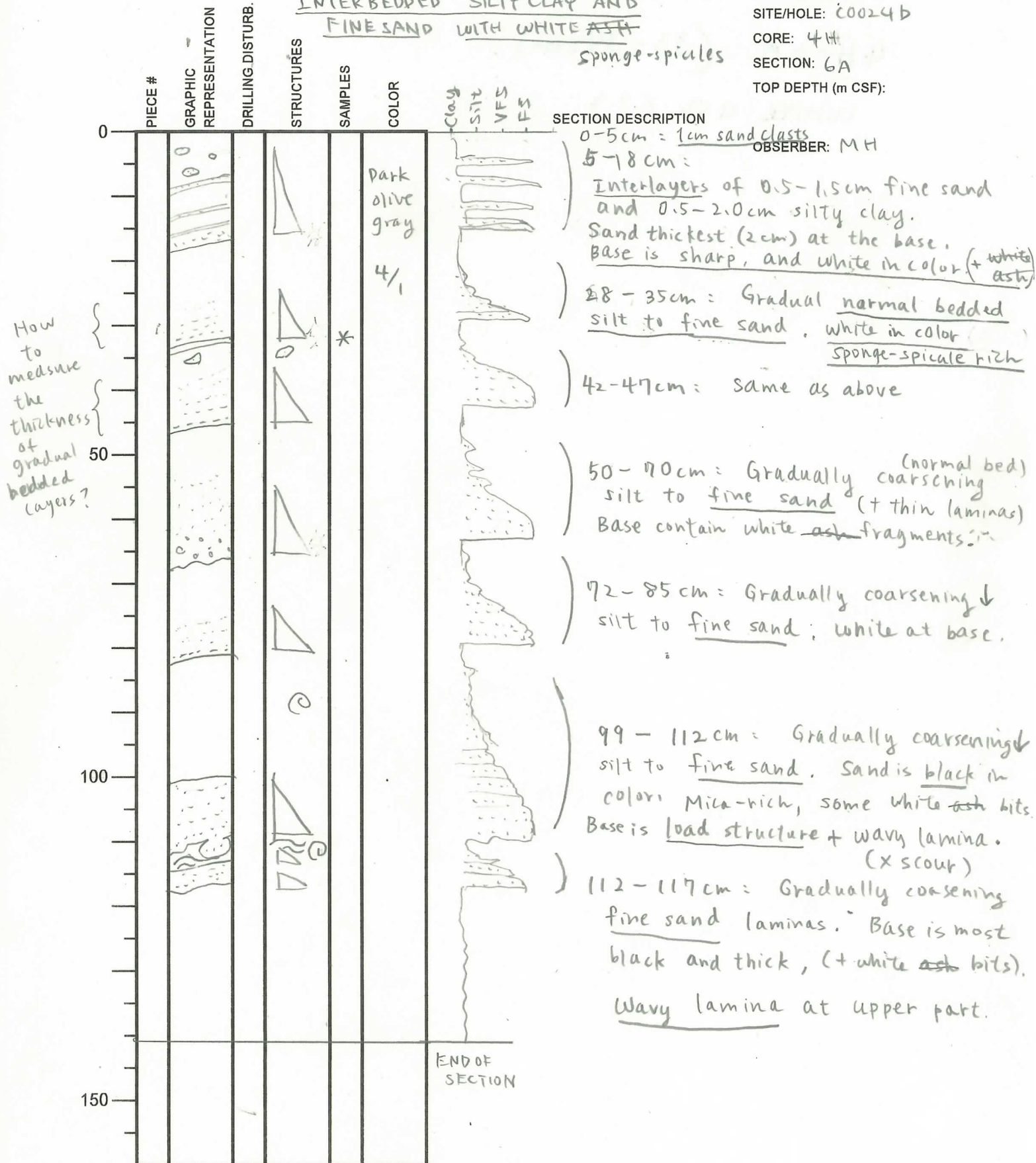


International Ocean Discovery Program

Visual Core Description

0-140.5 cm = Dark olive gray
INTERBEDDED SILTY CLAY AND FINE SAND WITH WHITE ASH
 Sponge-spicules

NO.
 DATE: 14/3/2019
 EXP.: 358
 SITE/HOLE: C0024B
 CORE: 4H
 SECTION: 6A
 TOP DEPTH (m CSF):



International Ocean Discovery Program

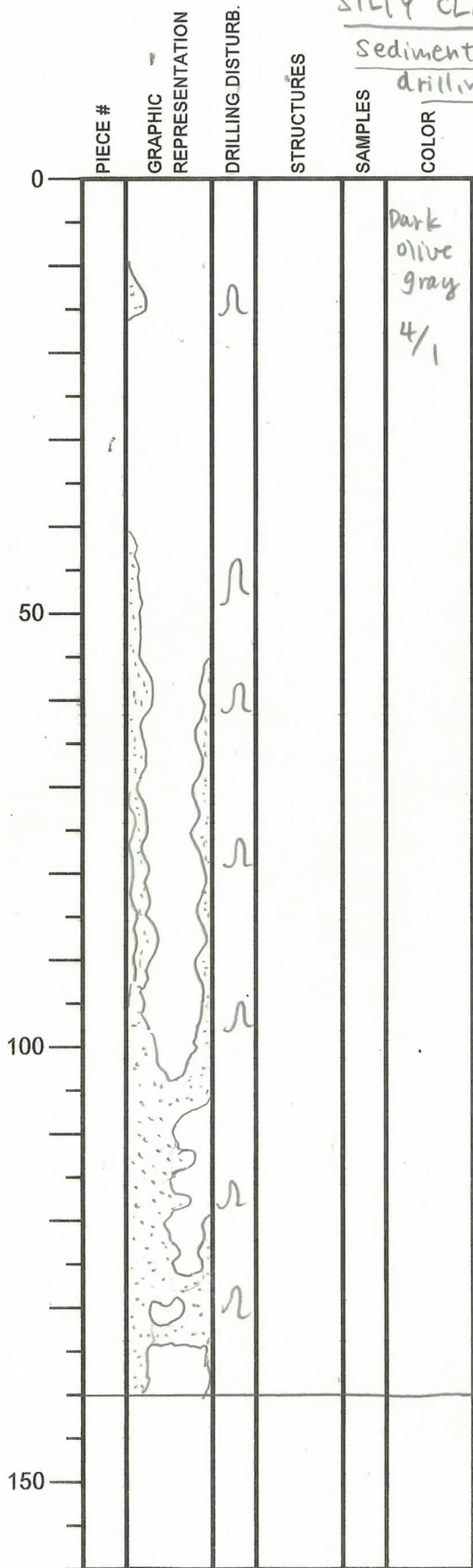
Visual Core Description

0-140.5 cm = Dark olive gray

SILTY CLAY AND FINE SAND

Sedimentary structure disturbed by drilling flow in.

NO.
DATE: 14/3/20 19
EXP.: 358
SITE/HOLE: C0024D
CORE: 4H
SECTION: 7A
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MH

0-140.5 cm :

Massive (structureless) silty clay
and fine (to medium) sand (structureless)

Sand is mica-rich and blacker in color.

* Drilling-induced flow-in is disturbing natural structure: Sand is flowing into silty clay intensively.

END OF SECTION

International Ocean Discovery Program

Visual Core Description

0-50cm: Dark olive gray

SILTY CLAY AND FINE SAND

sedimentary structure disturbed
by drilling flow in.

NO.
DATE: 4/3/20
EXP.: 358
SITE/HOLE: C0024D
CORE: 4H
SECTION: 8A
TOP DEPTH (m CSF):

OBSERVER: MH

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					Dark olive gray 4/1
50					END OF SECTION
100					
150					

SECTION DESCRIPTION

0-50 cm

Silty clay and fine sand.
Sand is mica-rich.

Drilling-induced flow in:
Blocks of silty clay surround
matrix fine (to med.) sand.

International Ocean Discovery Program

Visual Core Description

0 - 23 cm: Olive black

FINE SAND WITH SILTY CLAY

sedimentary structure disturbed by drilling flow in

NO.

DATE: 14/3/20 19

EXP.: 358

SITE/HOLE: C0024b

CORE: 4H

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: MH

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					olive black 3/1
23-30 cm					PAL
50					
100					
150					

SECTION DESCRIPTION

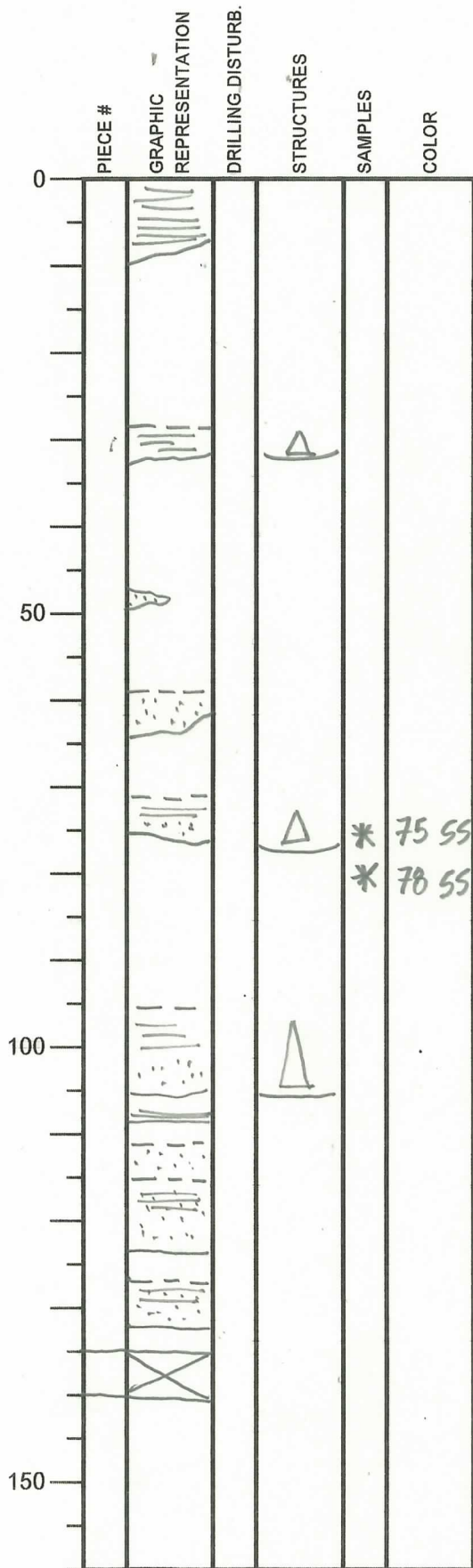
Fine sand (to med. sand),
mica-rich with silty clay (← contains
as blocks due to drilling-
induced flow-in).

END OF SECTION

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/20 19
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 5T
 SECTION: 1
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MBU

0-9 cm graded dark gray silt
sharp base

29-32 cm graded silt

interbedded throughout with gray silty clay to clayey silt, locally mottled lighter gray than tops of silt beds

59-63 cm silt, disrupted

71-75 cm graded silt, sharp base
dark gray

95-107 cm graded silt, disrupted

108-109 cm silt

112-115 cm silt

115-124 cm graded silt

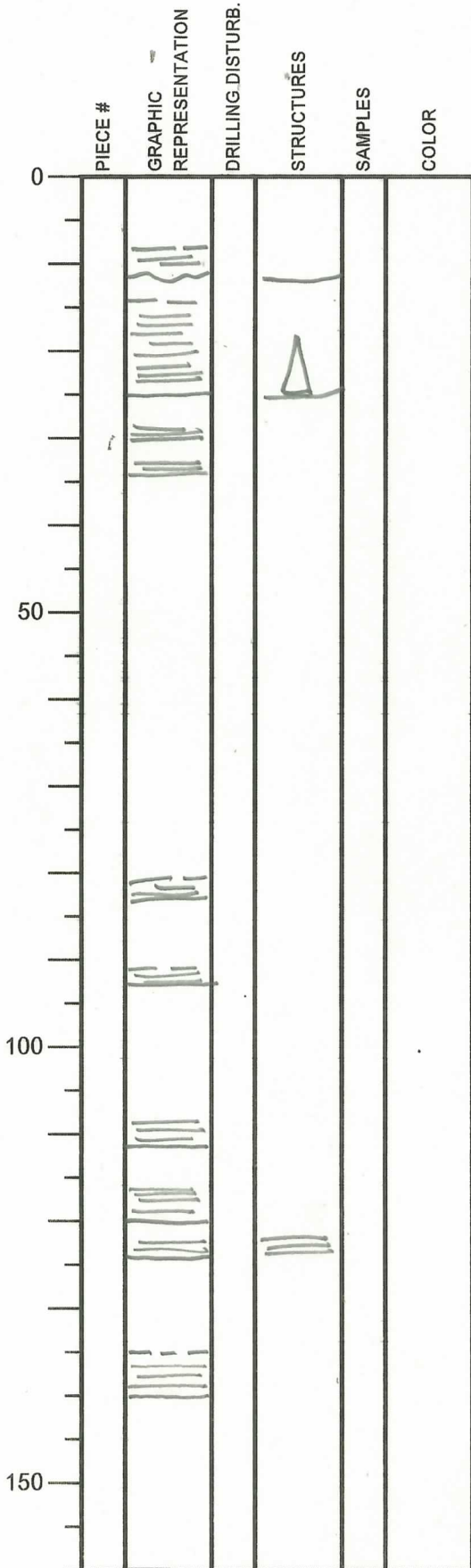
126-132 cm graded silt, sharp base

AI-WR

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 5T
 SECTION: 2
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MBU

dark gray silt beds at:

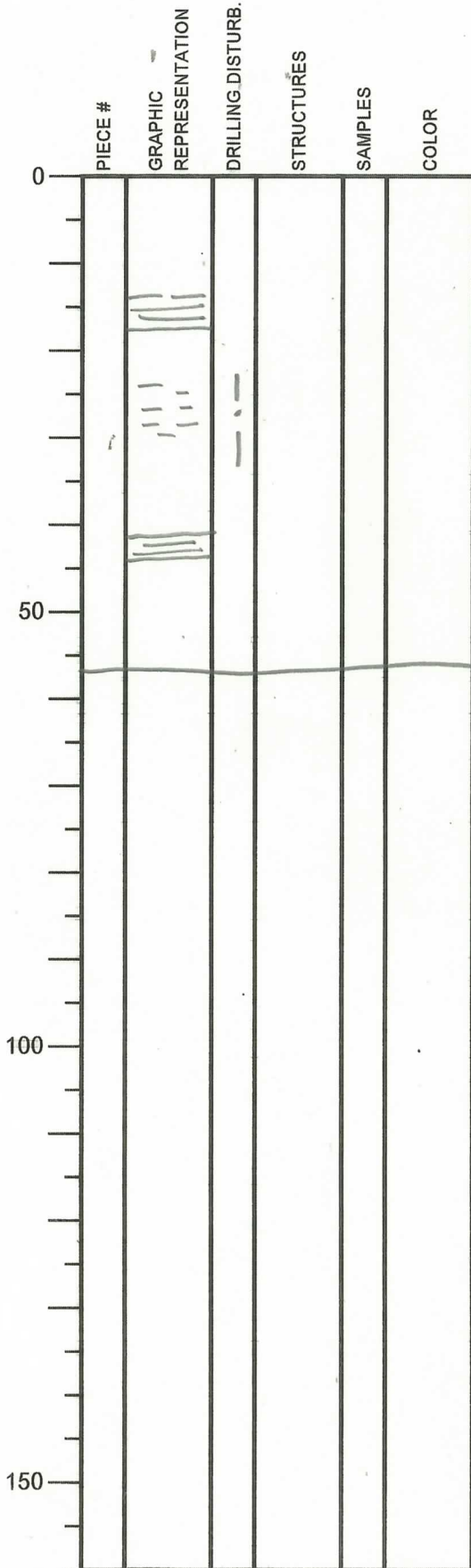
- 9-13 cm sharp base
- 15-25 cm graded
- 29-31 cm sharp base
- 34-35 cm
- 82-84 cm
- 91-93 cm
- 107-114 cm
- 116-120 cm
- 122-124 cm planar laminae
- 135-140 cm structureless

interbedded with gray silty clay to clayey silt, structureless to slightly mottled

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/20 19
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 5T
 SECTION: 3
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

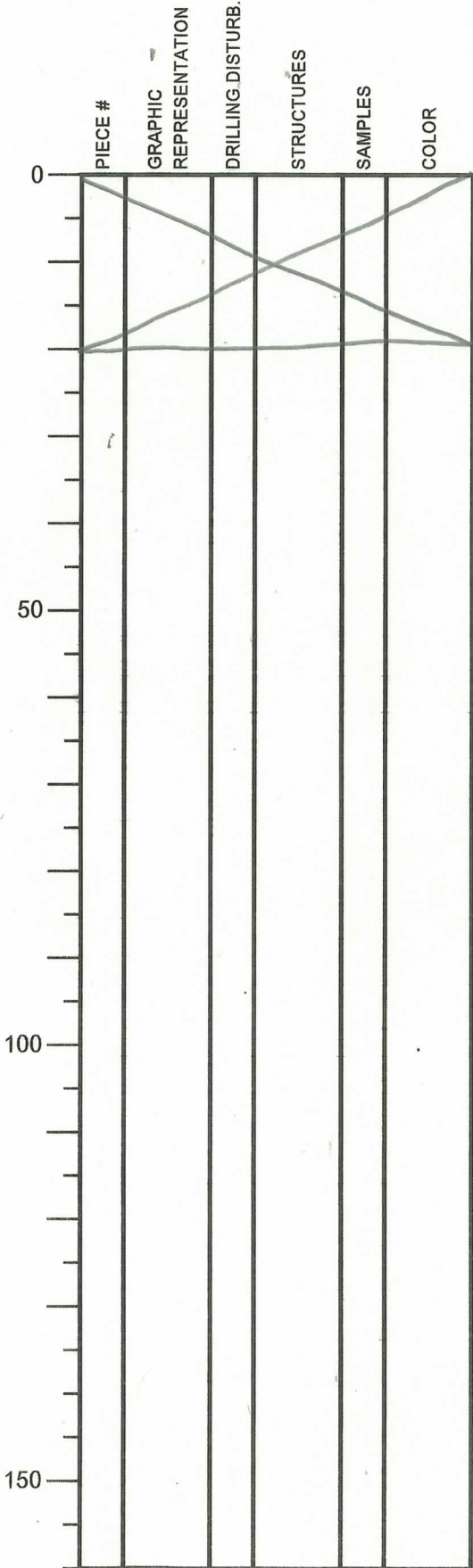
OBSERVER: MBU

gray silty clay to clayey silt
 darker gray silt beds at
 14-17 cm
 41-43 cm
 disrupted 23-29 cm

57 cm

International Ocean Discovery Program Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 5T
 SECTION: 4
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

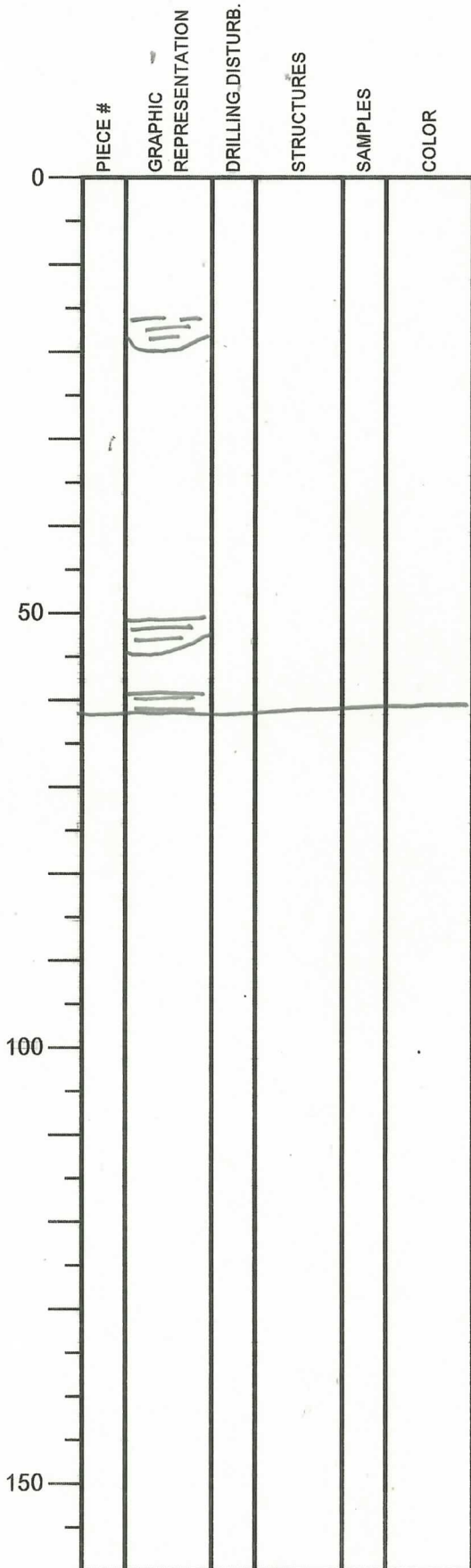
IW - WR
 20 cm

OBSERVER: MBU

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 5T
 SECTION: 5
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MBU

gray silty clay to clayey silt
 darker gray silt at
 16-20 cm
 51-54 cm
 59-60 cm

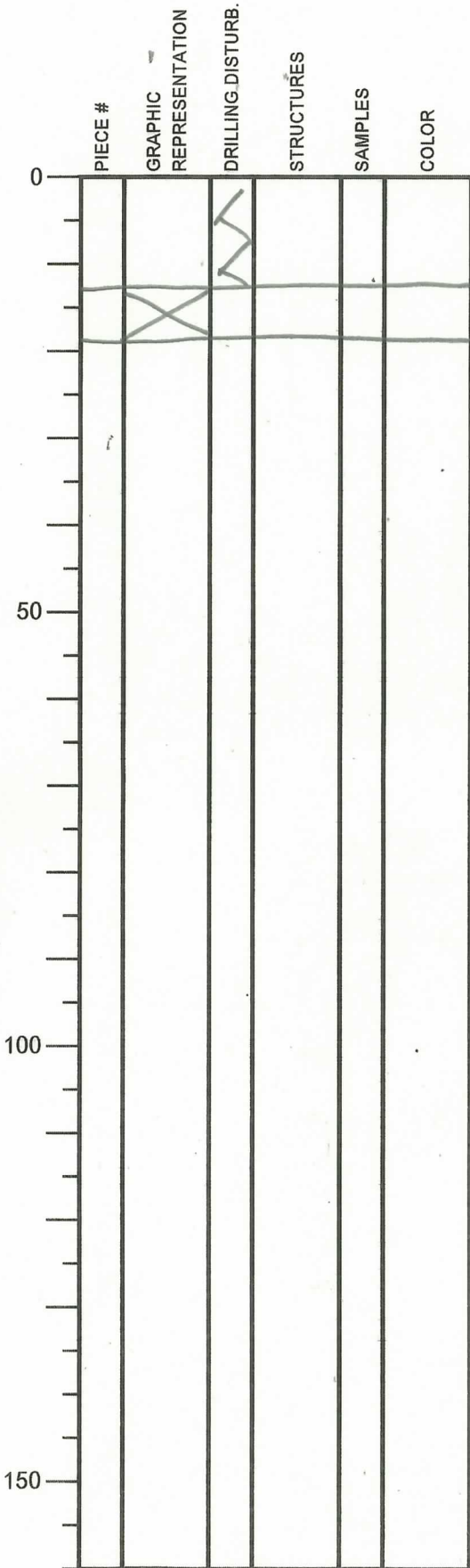
61 cm

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 5T
 SECTION: CC
 TOP DEPTH (m CSF):

OBSERVER: MBU



SECTION DESCRIPTION

PAL-WR 13-18 cm.

0-13 gray silty clay to clayey silt disturbed

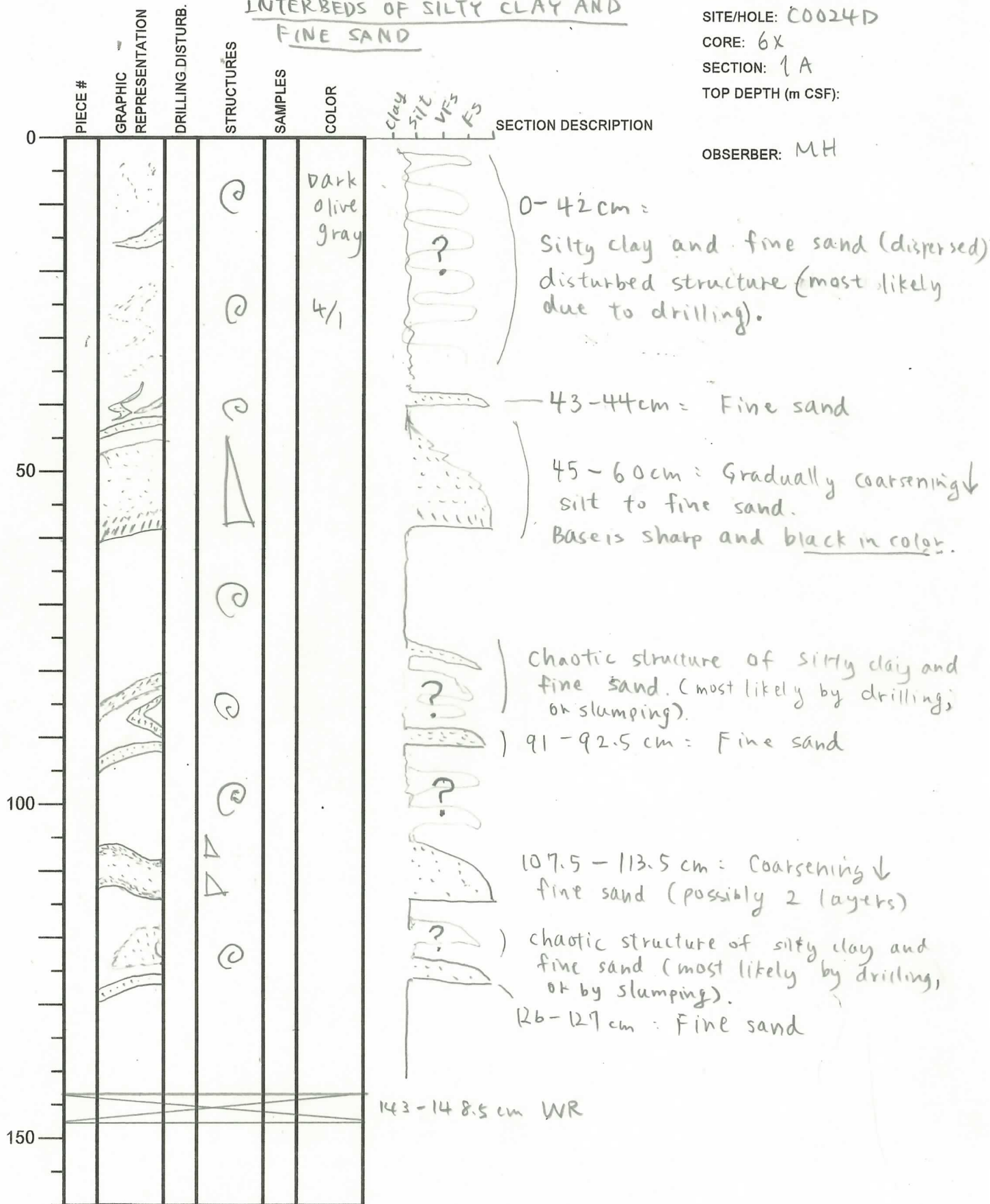
International Ocean Discovery Program

Visual Core Description

0-143cm = Dark olive gray
INTERBEDS OF SILTY CLAY AND FINE SAND

NO.
 DATE: 1 / 2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 6X
 SECTION: 1A
 TOP DEPTH (m CSF):

OBSERVER: MH

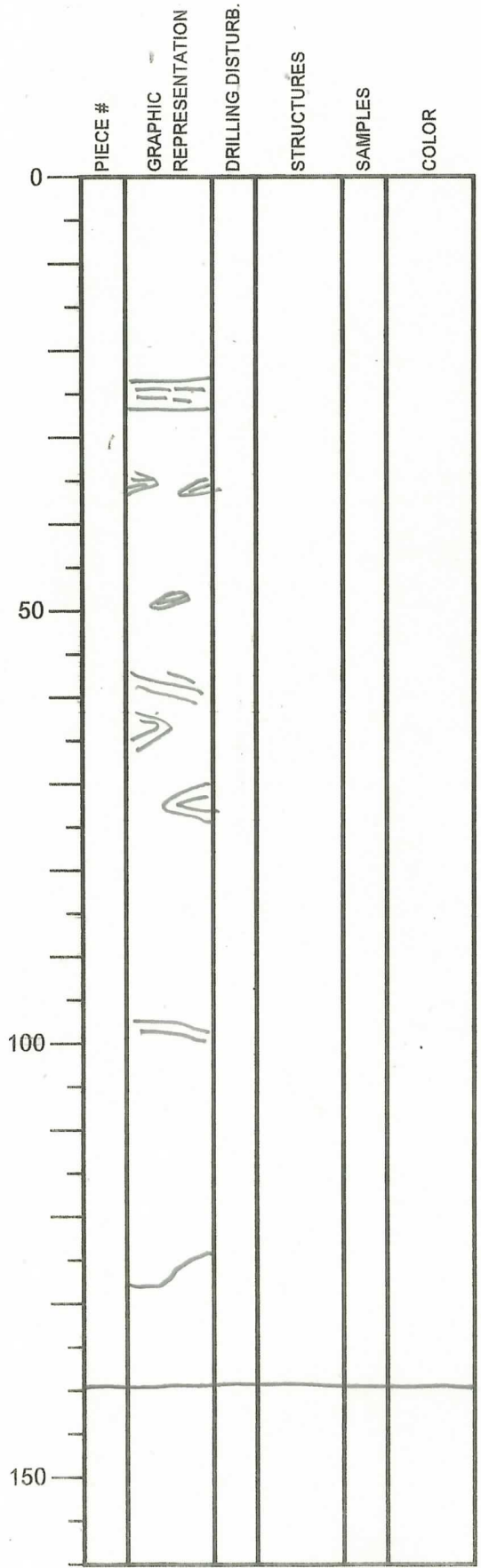


International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 6X
 SECTION: 2
 TOP DEPTH (m CSF):

OBSERVER: MBK



SECTION DESCRIPTION

Silty clay to clayey silt, gray
 scattered silt laminae
 local coring disturbance
 variable color.

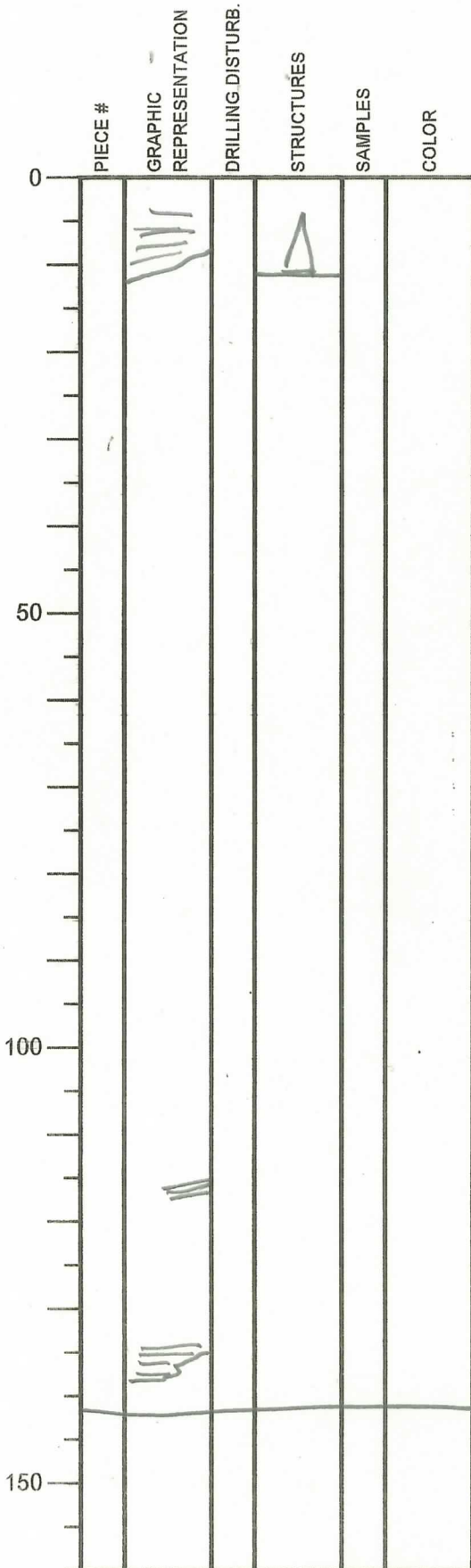
discrete darker gray silt
 23-25 cm
 irregular pods

140 cm.

International Ocean Discovery Program
Visual Core Description

NO.
DATE: 3/14/20 19
EXP.: 358
SITE/HOLE: C0024D
CORE: 6X
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MBM



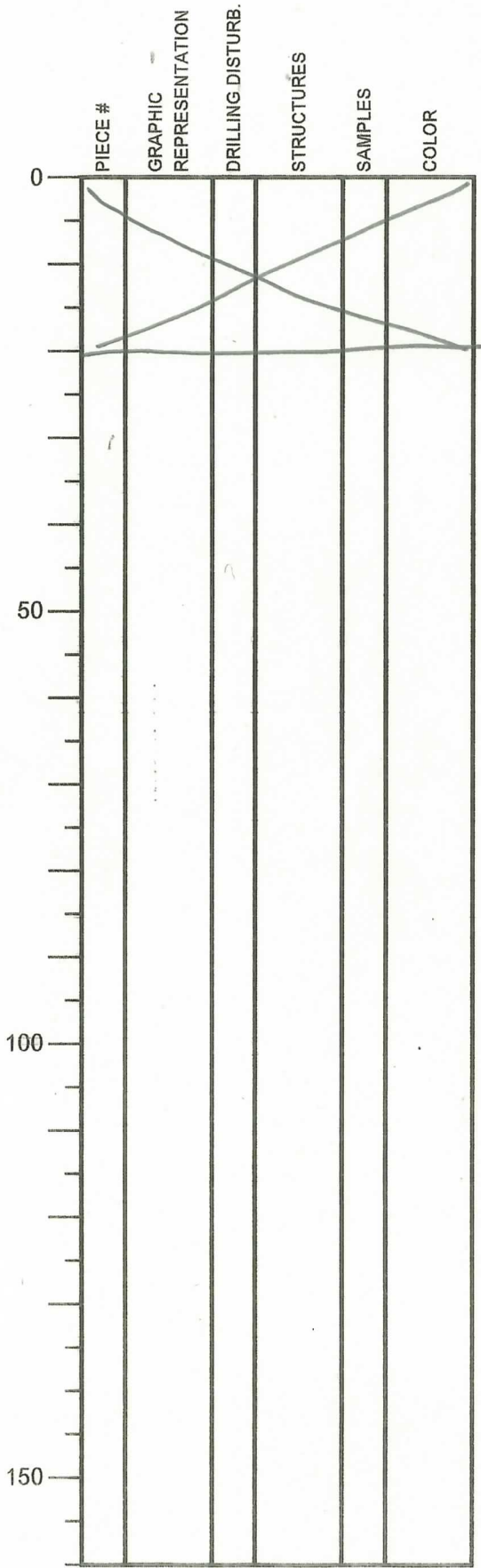
SECTION DESCRIPTION

Mostly gray silty clay to clayey silt
Scattered silt laminae
color variations
darker gray silt beds at
136-138 cm sharp base
0-11 cm sharp, graded

International Ocean Discovery Program
Visual Core Description

NO.
DATE: 3/14/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 6X
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MBU



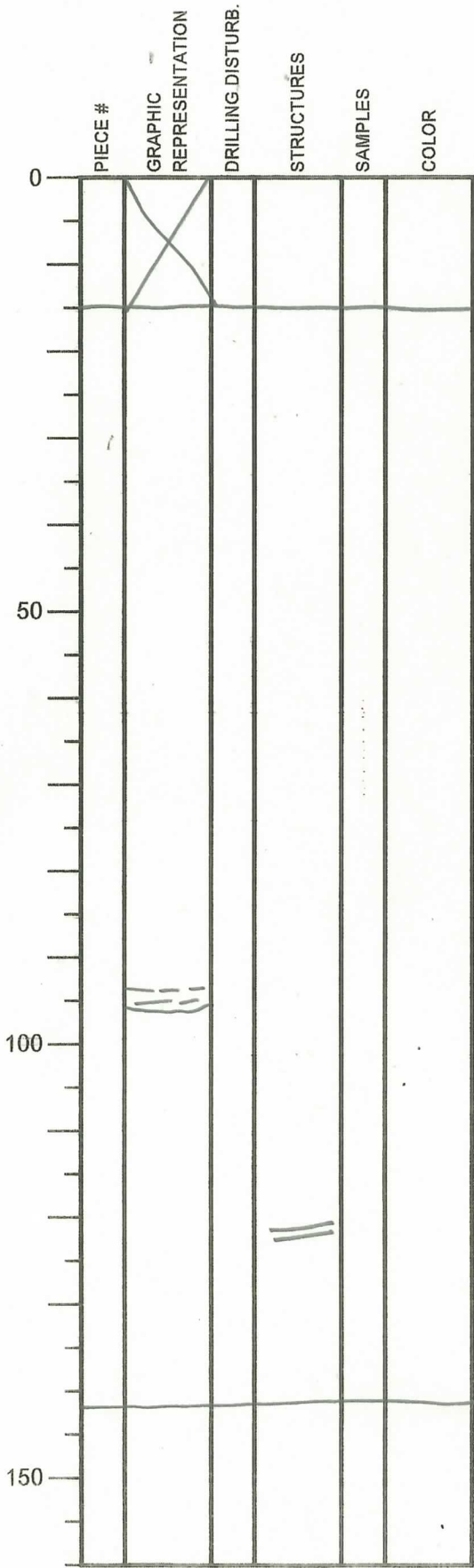
SECTION DESCRIPTION

IW-WR

International Ocean Discovery Program Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 6X
 SECTION: 5
 TOP DEPTH (m CSF):

OBSERVER: MBU



SECTION DESCRIPTION

MH-WR
15 cm

Mostly gray silty clay to clayey silt
 Variable color
 Scattered silt laminae
 Moderate coring disturbance

94-95 cm silt, darker gray
 disturbed

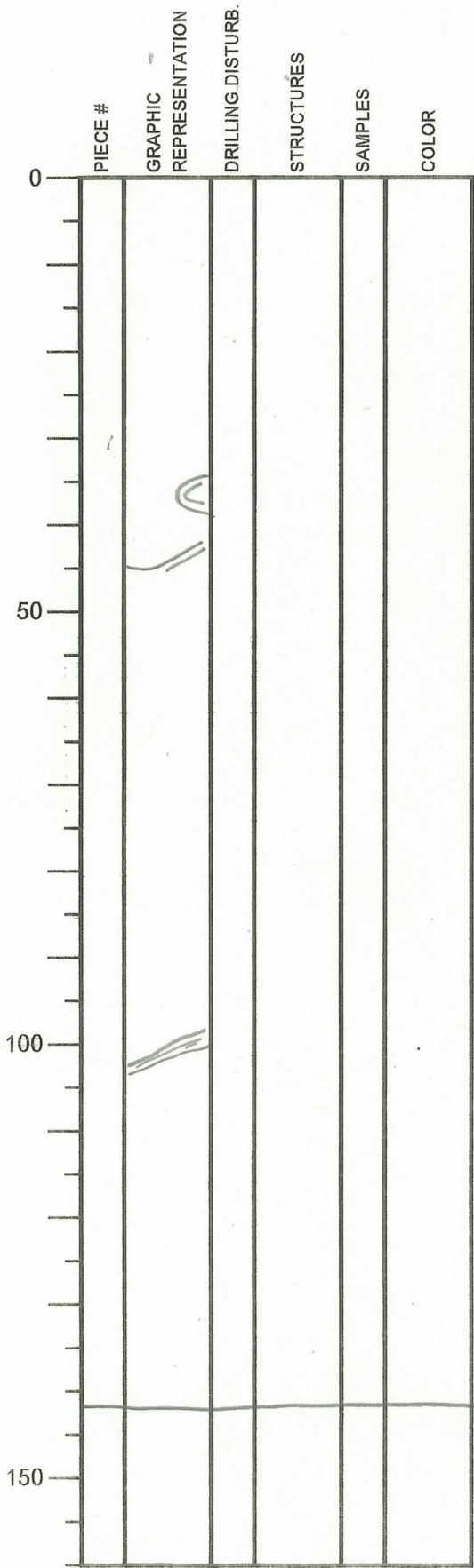
142 cm

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 6X
 SECTION: 6
 TOP DEPTH (m CSF):

OBSERVER: MBU



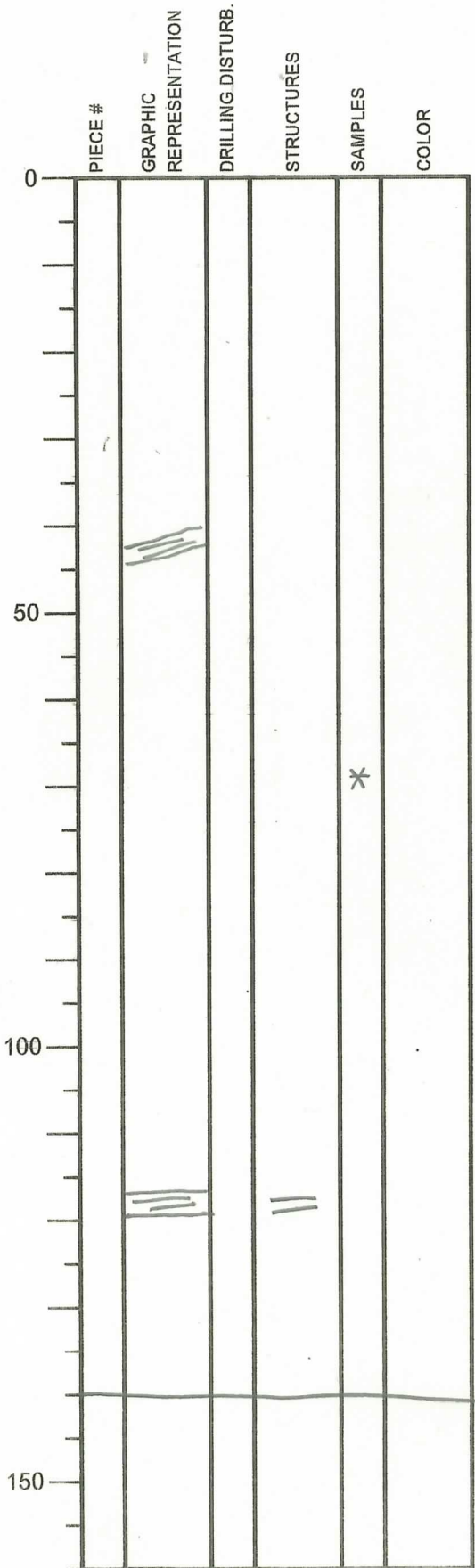
SECTION DESCRIPTION

gray silty clay to clayey silt
 variable color
 scattered silt laminae
 moderate coring/drilling disturbance

142 cm

International Ocean Discovery Program
Visual Core Description

NO.
DATE: 3/15/20
EXP.: 358
SITE/HOLE: C0024D
CORE: 6X
SECTION: 7
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: MBK

Mostly silty clay to clayey silt
in variable shades of gray
mottled with scattered silt laminae
some sharp boundaries due to
color change

thin beds of darker gray silt at
43-44 cm
117-119 cm

Moderate drilling/coring disturbance

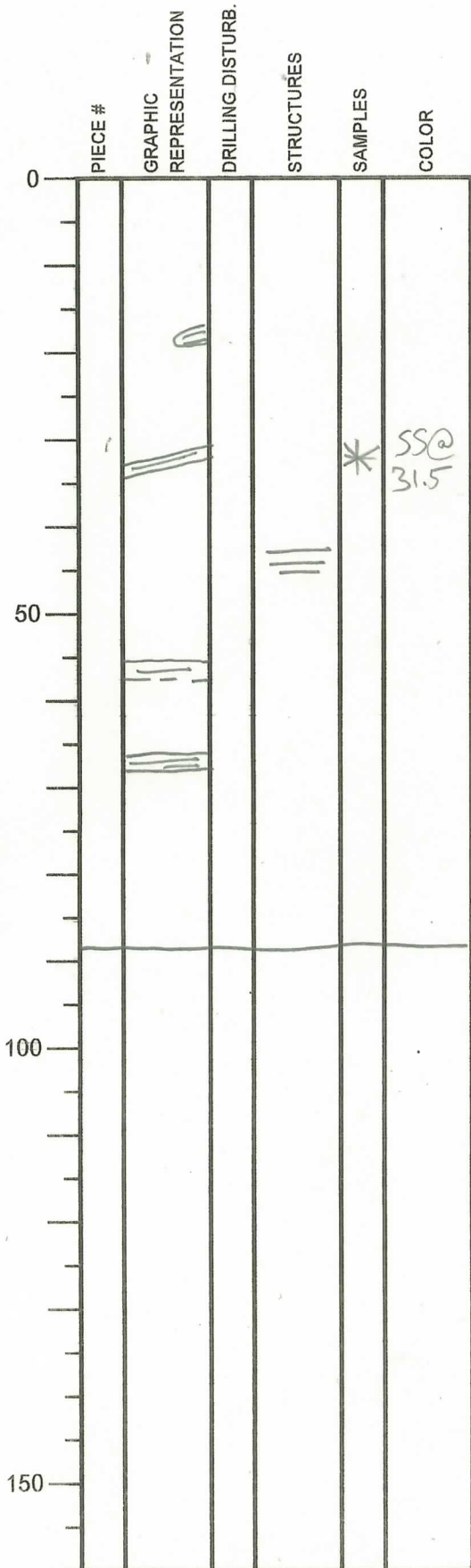
Smear slide =
Abundant in volcanic glass,
nanofossils, Qtz + Fe.

* SS

International Ocean Discovery Program
Visual Core Description

NO.
DATE: 3/19/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 6X
SECTION: 8
TOP DEPTH (m CSF):

OBSERVER: MBU



SECTION DESCRIPTION

mostly gray silty clay to clayey silt
Scattered silt laminae and pods

darker gray silt at:

- 32-33 cm
- 55-56 cm
- 67-68 cm.

Structureless

88 cm.

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 6X
 SECTION: CC
 TOP DEPTH (m CSF):

OBSERVER: MBU

	PIECE #	GRAPHIC REPRESENTATION	DRILLING-DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
				PAL - WR		
50						
100						
150						

SECTION DESCRIPTION

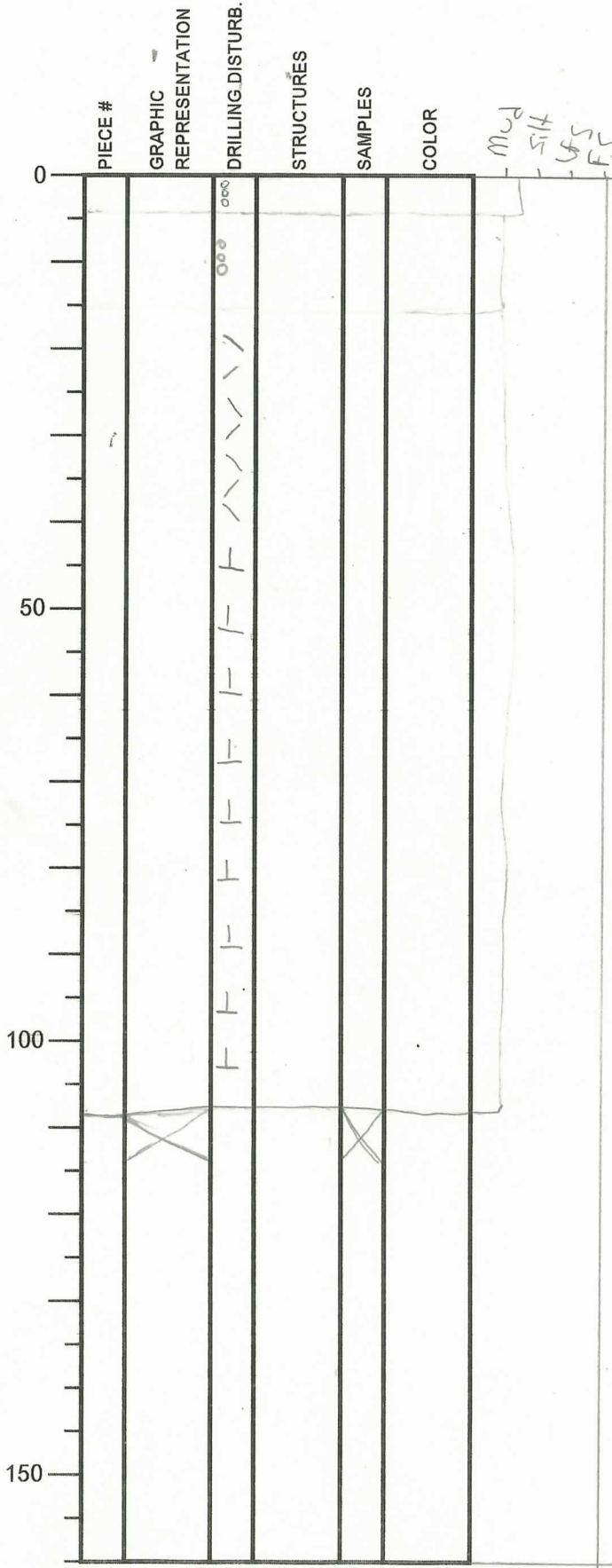
dark gray silt
 4-7 cm
 10-14 cm graded
 20 cm
 interbedded with gray silty clay
 to clayey silt

International Ocean Discovery Program

Visual Core Description

NO. 1
 DATE: 14 03 2019
 EXP.: 358
 SITE/HOLE: C00241D
 CORE: 7T
 SECTION: 1
 TOP DEPTH (m CSF):

Section 1 = 0 - 114 cm



SECTION DESCRIPTION

0-4 cm - structureless grey silty mud - sandy. OBSERVER: PC
 4-15 cm - structureless grey mud - sandy
 15-108 cm - structureless grey mud
 15-40 cm => Highly fractured due to drilling
 40-108 cm => Moderate fractured due to drilling
 108-114 cm - WR sample

International Ocean Discovery Program

Visual Core Description

NO. 2
 DATE: 11/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 7T
 SECTION: 2
 TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		X			X	
50						
100						
150						

SECTION DESCRIPTION

OBSERVER: PL
 0-13 cm = sample 1W

International Ocean Discovery Program

Visual Core Description

NO. 3
 DATE: 14/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 7T
 SECTION: 3
 TOP DEPTH (m CSF):

OBSERVER: PC

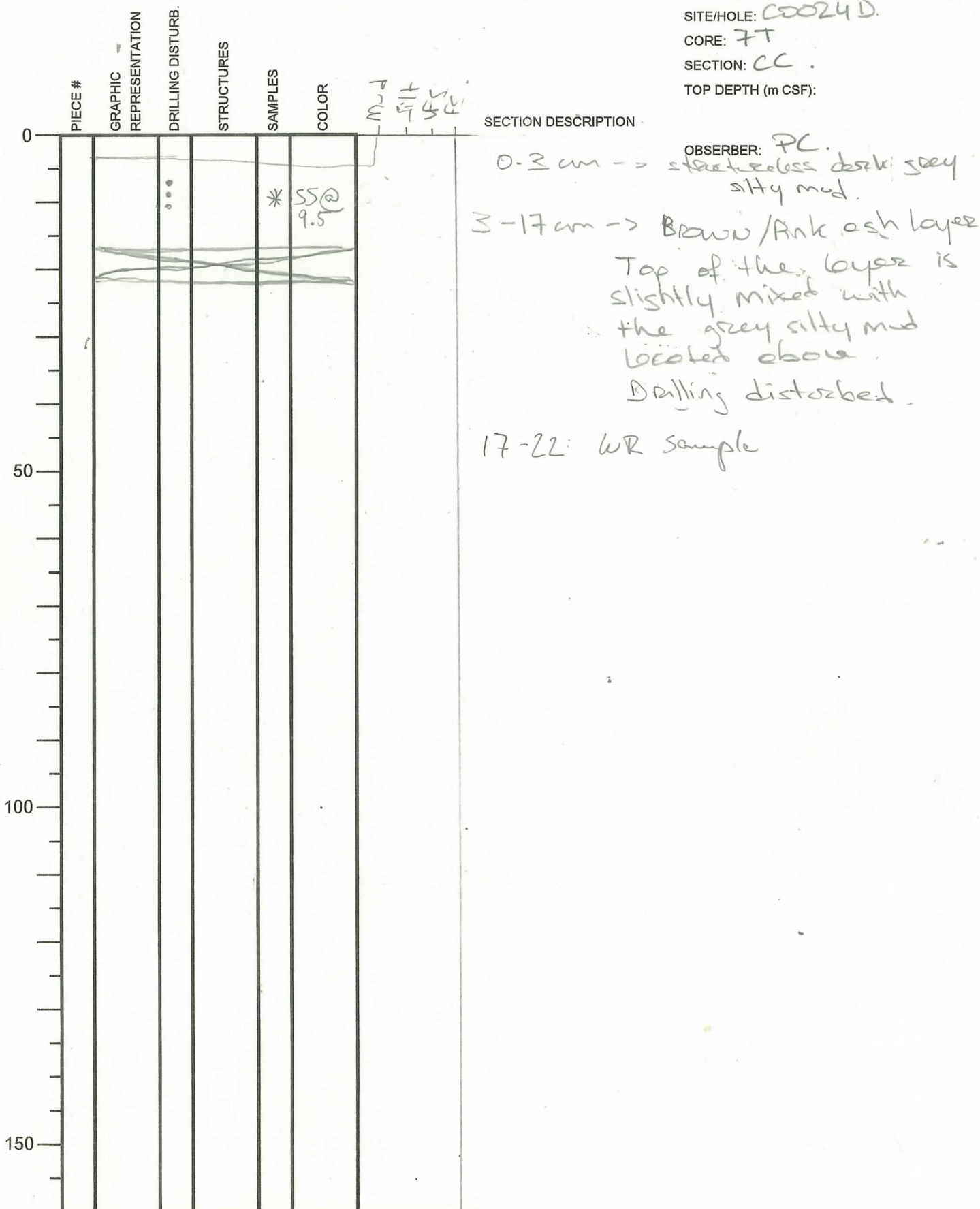
Section 3 -> 0-111 cm

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR		SECTION DESCRIPTION
0							Mud Silt SM	
50								0-101 cm -> Structureless grey
100								101-102 -> Graded silt layer 102-105 -> Graded silt layer 105-109 -> Structureless silt layer 109-111 -> Structureless grey mud
150								

International Ocean Discovery Program

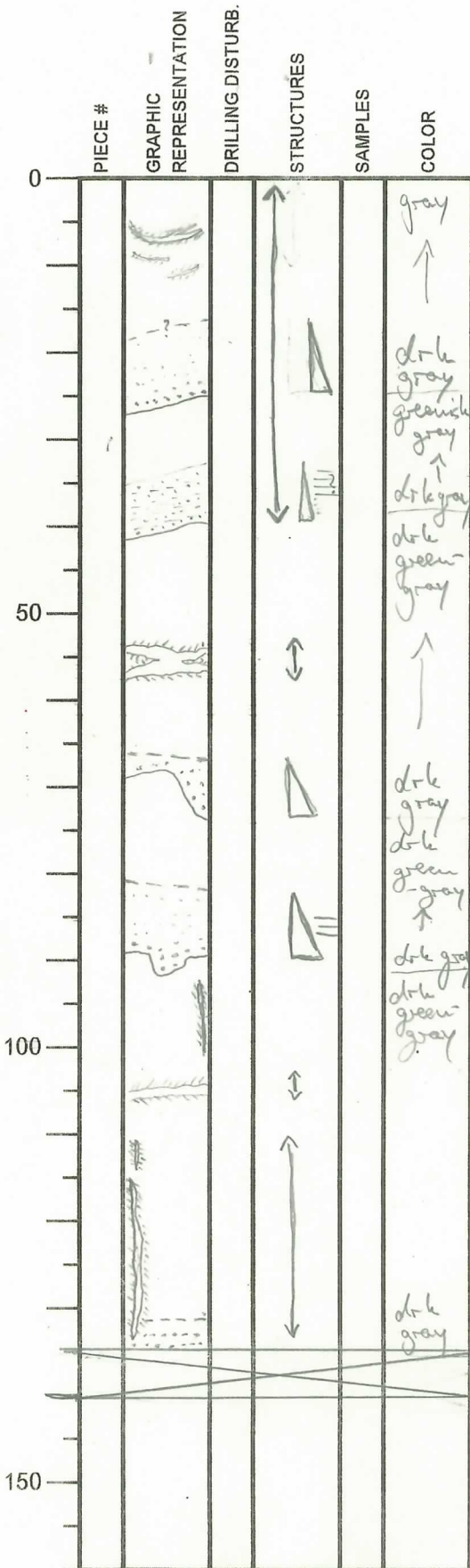
Visual Core Description

NO. 4
 DATE: 4/27/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 7T
 SECTION: CC
 TOP DEPTH (m CSF):



International Ocean Discovery Program Visual Core Description

NO.
DATE: -1 12th 2019-03-14
EXP.: 358
SITE/HOLE: C0024D
CORE: 8X
SECTION: 1
TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: DJ

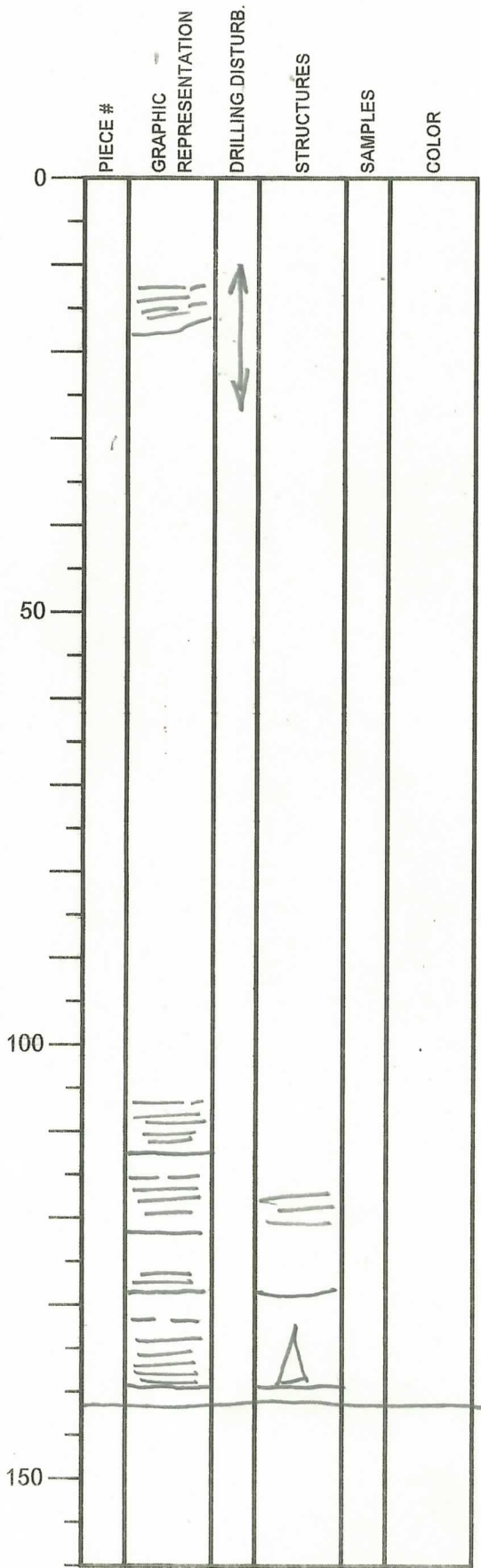
0-15: greenish gray silty clay
 15-26: graded silty sand, dark gray
 26-34: dark greenish gray silty clay
 34-40: silty-very fine sand, graded & tentatively laminated
 40-67: dark greenish gray silty clay
 67-71: dark gray graded silty sand
 71-82: dark greenish gray silty clay
 82-90: dark gray silty sand, graded, slightly laminated
 90-133: dark greenish silty clay
 133-135: silty very fine sand, possibly graded, base missing (WR sample)
 WR sample 135 + 140 cm

extensive degassing throughout.

International Ocean Discovery Program
Visual Core Description

NO.
DATE: 3/14/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: EX
SECTION: Z
TOP DEPTH (m CSF):

OBSERVER: MBN



SECTION DESCRIPTION

Mostly gray silty clay to clayey silt
moderate gas expansion disruption
throughout
darker gray silt to silty sand

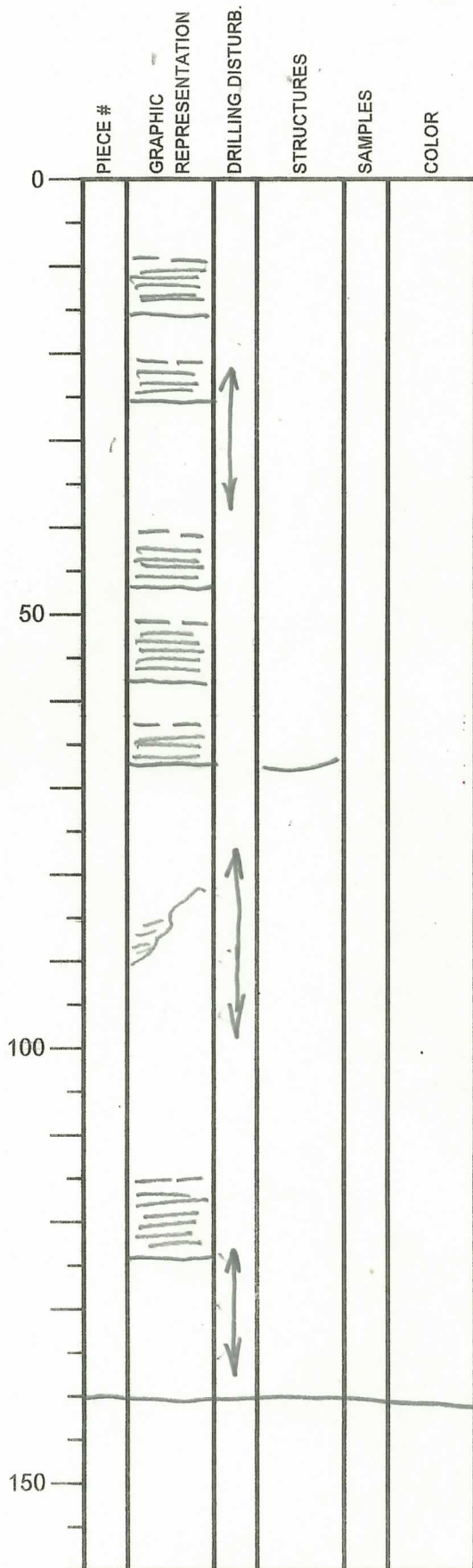
- 13-16 cm disruption by gas
- 108-113 cm
- 115-121 cm laminae
- 125-128 cm sharp base
- 131-140 cm sharp base, graded

142 cm

International Ocean Discovery Program Visual Core Description

NO.
DATE: 3/14/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 8X
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MBU



SECTION DESCRIPTION

gray silty clay to clayey silt
disrupted by gas expansion

darker gray silt interbeds at:

9-15 cm graded

20-25 cm disturbed

40-46 cm sharp base

50-58 cm sharp base

62-67 cm

115-122 cm

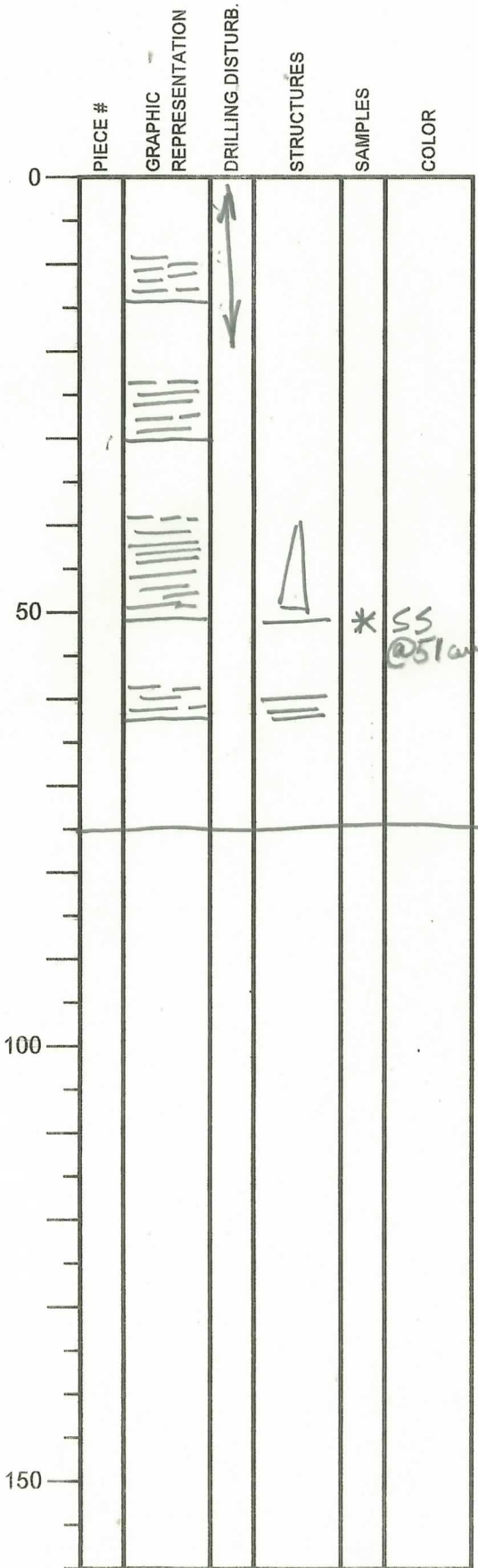
140 cm

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: BX
 SECTION: 4
 TOP DEPTH (m CSF):

OBSERVER: MBA



SECTION DESCRIPTION

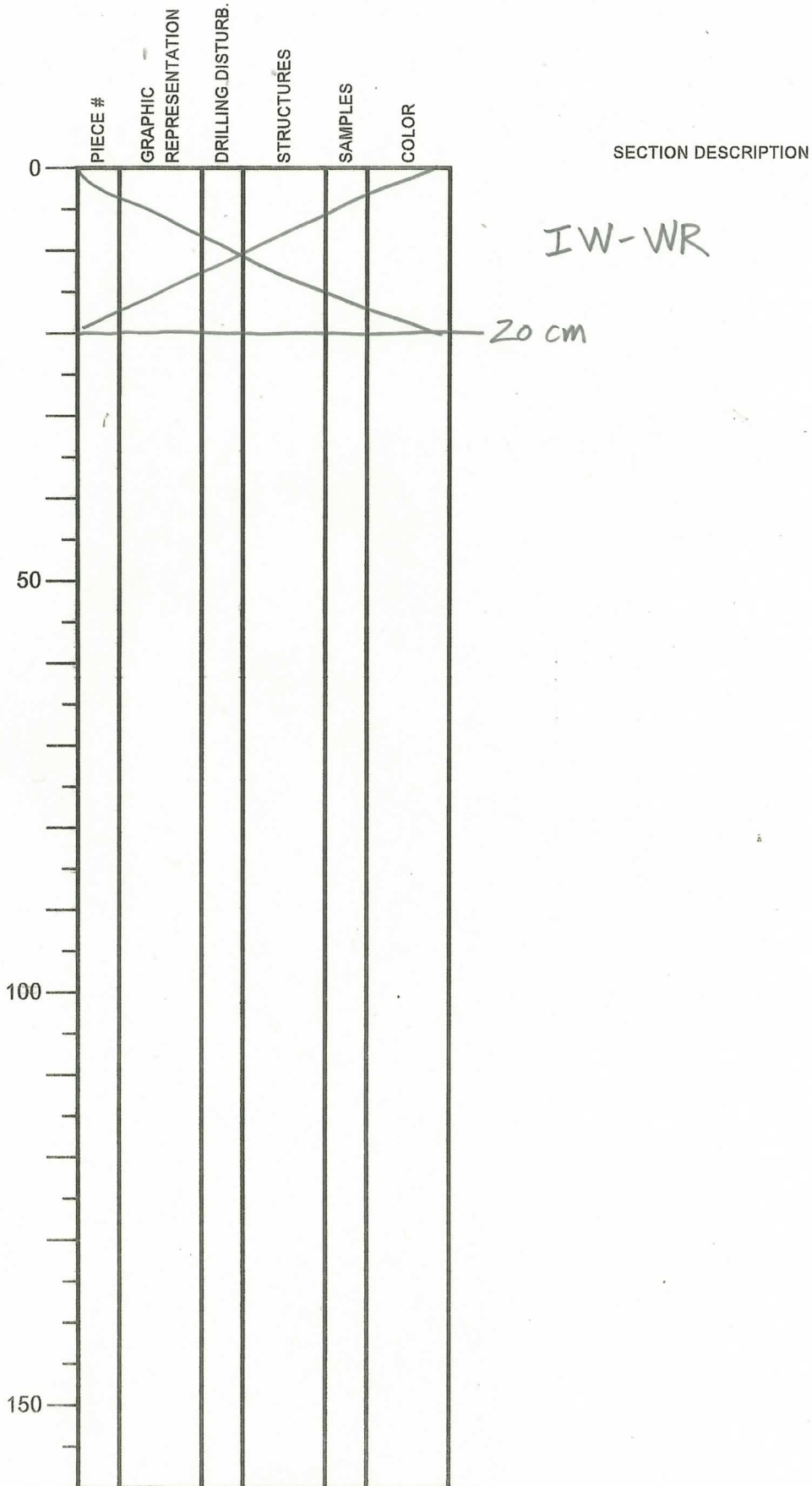
gas expansion disruption locally
 alternating gray silty clay, clayey silt
 and darker gray silt to silty sand
 8-14 cm
 24-30 cm
 39-51 cm
 58-62 cm
 isolated clast at 51 cm (pumice)
 opaque-grain
 rich silty sand
 (from smear
 slide)

75 cm

International Ocean Discovery Program Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: BX
 SECTION: 5
 TOP DEPTH (m CSF):

OBSERVER: MBU



International Ocean Discovery Program Visual Core Description

NO.
 DATE: 3/14/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 8X
 SECTION: 6
 TOP DEPTH (m CSF):

OBSERVER: MBU

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50	OO				
100					
150					

SECTION DESCRIPTION

thin dark gray silt
 15-17 cm
 23-25 cm
 33-35 cm
 remainder gray silty clay to clayey silt

50 cm blebs of ash at bottom of section

International Ocean Discovery Program Visual Core Description

NO.
DATE: 3/14/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 8X
SECTION: CC
TOP DEPTH (m CSF):

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		✓ ✓ ✓				
50		_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _				
100		X				
150						

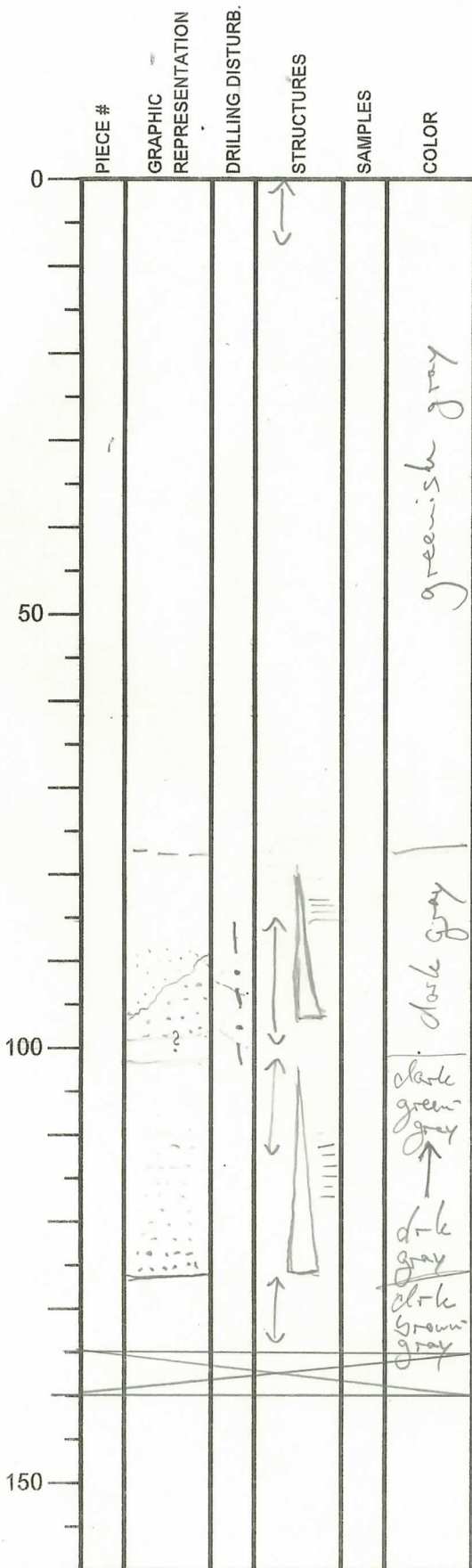
SECTION DESCRIPTION

OBSERVER: MBU

0-4 light gray volcanic ash disrupted
35-40 cm gray silt
Remainder gray silty clay to clayey silt
PAL - WR

International Ocean Discovery Program Visual Core Description

NO.
 DATE: 1 120 2019-03-14
 EXP: 358
 SITE/HOLE: C0024 D
 CORE: 9X
 SECTION: 7
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: DJ

0-78:

clay to silty clay, degassing/drilling disturbance, otherwise structureless

78-102:

silty sand, graded; few pieces (~3mm) of pumice; moderate degassing and/or drilling disturbance; exact base unclear due to disturbance

102-127:

Silty fine sand, grading to silty clay; some lamination

127-135: silty clay

135-140 i/R sample

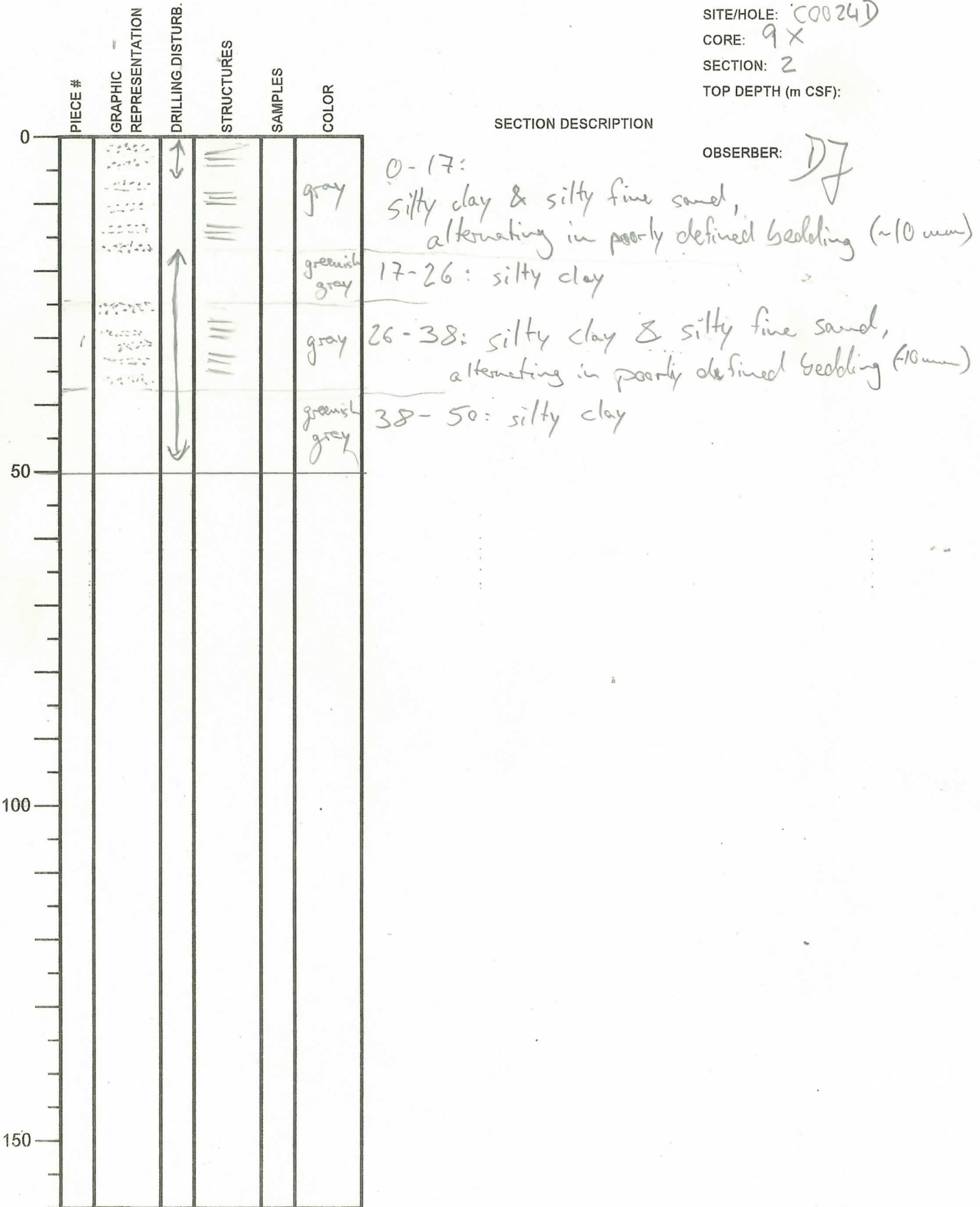
slight to moderate degassing disturbance throughout

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 1/20/2019-03-14
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 9X
 SECTION: 2
 TOP DEPTH (m CSF):

OBSERVER: DJ



International Ocean Discovery Program Visual Core Description

NO.
 DATE: 1 / 2019-03-14
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 9X
 SECTION: 3
 TOP DEPTH (m CSF):

OBSERVER: DJ

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
150						

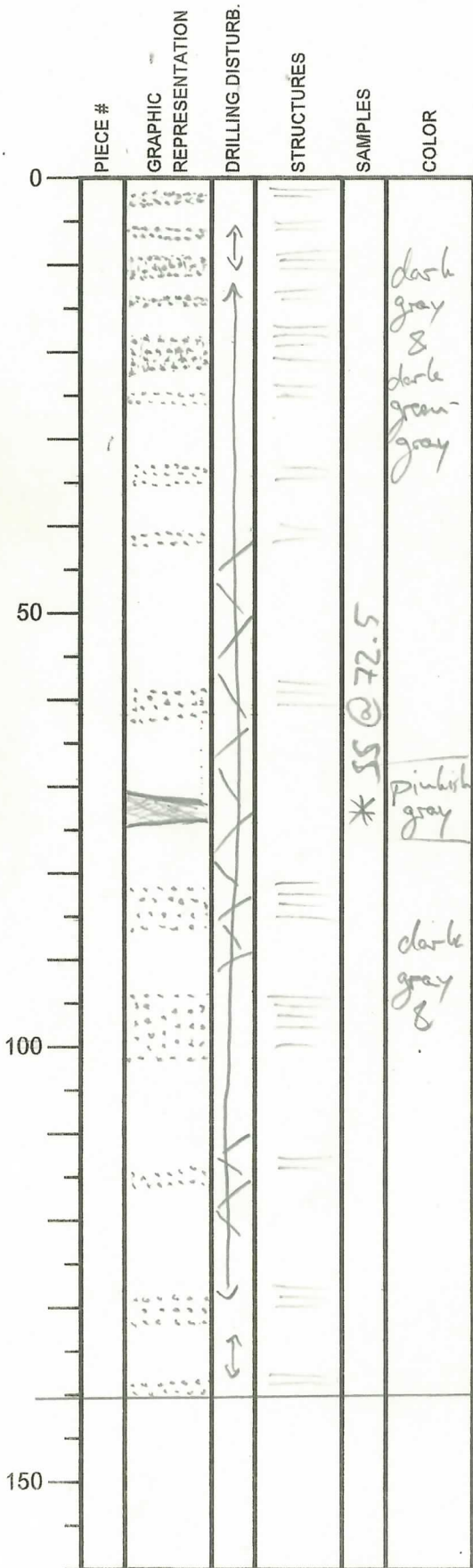
SECTION DESCRIPTION

0
 all to IW
 0-22 cm
 22

International Ocean Discovery Program Visual Core Description

NO.
DATE: 1/20/19-03-14
EXP.: 358
SITE/HOLE: C0024
CORE: 9X
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: DJ



SECTION DESCRIPTION

dark grey to dark greenish gray silty clay, diffuse semi-regularly spaced silty fine sand beds dark grey

Sand @: 1-3 cm 24-26 cm
5-6 cm 33-36 cm
8-12 cm 42-43 cm
13-14 cm 58-63 cm
15-16 cm
18-23 cm

71-74: pinkish gray ash

Same as above

Sand @: 82-86 cm
94-102 cm
116-117 cm
129-132 cm
139-140.5 cm

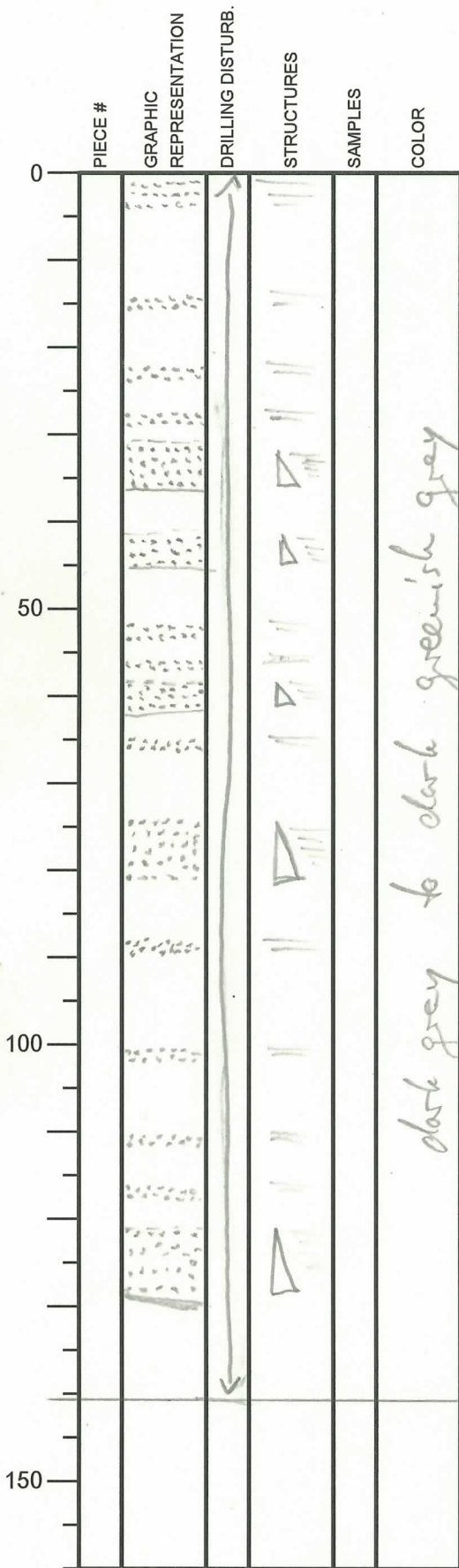
140.5

degassing throughout
possibly drilling disturbance
(difficult to distinguish)

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: / / 20
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 9X
 SECTION: 5
 TOP DEPTH (m CSF):



SECTION DESCRIPTION

OBSERVER: DJ

dark gray to dark greenish gray silty clay, diffuse dark gray silty fine sand beds

- sand @ 1-4 cm
- 15-16 cm
- 22-24 cm
- 27-29 cm
- 31-36 cm graded
- 42-45 cm graded
- 53-54 cm
- 56-57 cm
- 58-62 cm graded
- 65-66 cm
- 74-81 cm graded
- 88-89 cm
- 102-103 cm
- 111-112 cm
- 117-118 cm
- 122-129 cm graded

141
degassing throughout

International Ocean Discovery Program

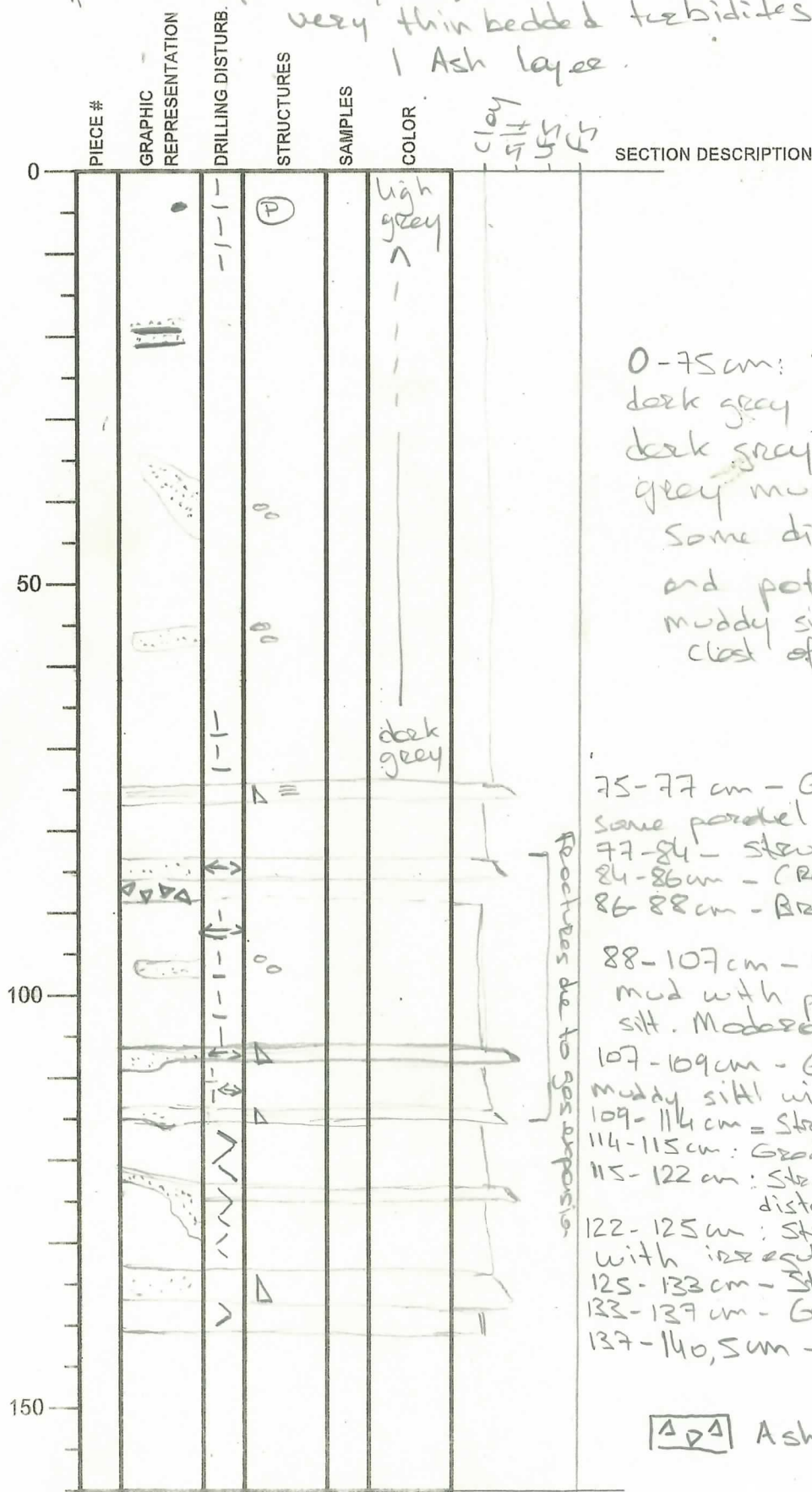
Visual Core Description

Alternating hemipelagic structureless mud (with patches of muddy silt) with silty very thin bedded turbidites
1 Ash layer.

NO. 6
DATE: 14/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 9X
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER: PC

Section 6: 0-140.5 cm



SECTION DESCRIPTION

0-75 cm: Structureless grey to dark grey silty mud. Variation of dark grey at the base to grey mud at the top.

Some discontinuous layers and patches of dark grey muddy silt
clot of pumice

75-77 cm - Graded silt showing some parallel laminations at the top

77-84 - Structureless grey mud
84-86 cm - Graded dark grey muddy silt
86-88 cm - Brunswick ash layer

88-107 cm - Structureless grey mud with patches of muddy silt. Moderately drilling disturbed

107-109 cm - Graded dark grey muddy silt with irregular base

109-114 cm - Structureless grey mud

114-115 cm - Graded muddy silt

115-122 cm - Structureless mud. Highly disturbed by drilling

122-125 cm - Structureless muddy silt with irregular base as due to drilling

125-133 cm - Structureless grey mud

133-137 cm - Graded dark grey muddy silt

137-140.5 cm - Structureless grey mud.

▲▲▲ Ash layer.

Structures due to gas expansion

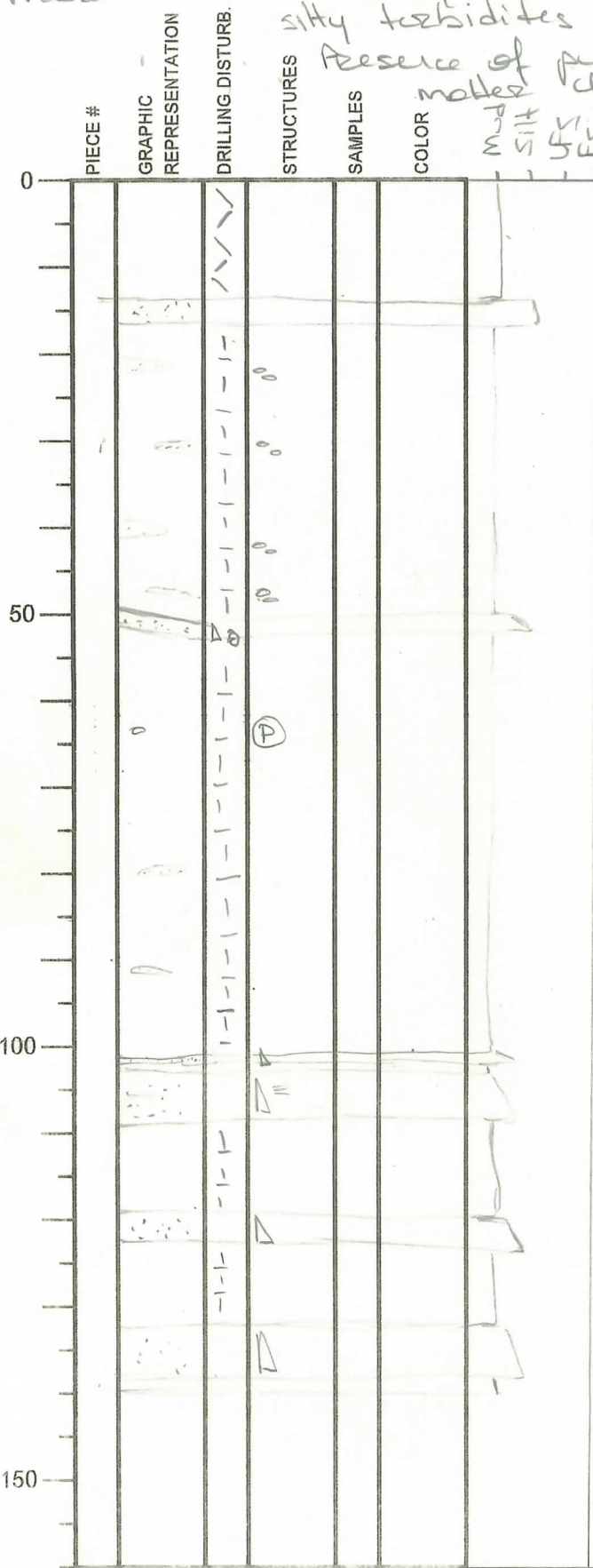
International Ocean Discovery Program

Visual Core Description

NO. 7
 DATE: 14 Oct 2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 9X
 SECTION: 7
 TOP DEPTH (m CSF):

Dominance of hemipelagic structureless mud with some very thin bedded silty turbidites.

Presence of pumice and organic matter clasts



SECTION DESCRIPTION

OBSERVER: PC

0-14 cm - Structureless brown/grey mud. Highly drilling disturbed.

14-17 cm - Structureless dark grey muddy silt

17-51 cm - Structureless brown/grey mud. Moderate drilling disturbed. Some patches of silty mud.

51-53 cm - Graded muddy silt with some shell fragment at the base.

53-102 cm - Structureless brown/grey mud. 1 clast of pumice. Some patches of dark grey silty mud. Moderately affected by drilling.

102-103 = Graded dark grey silt

103-104 = structureless light grey mud

104-109 = Graded dark grey muddy silt with "ghost" of // laminations.

109-119 = Structureless grey mud. Moderately by drilling.

119-123 cm = Graded silt.

123-133 cm = Structureless grey mud.

133-137 = Graded dark grey muddy silt.

137-140, 5 = Structureless grey mud.

Section 7 = 0-140, 5 cm

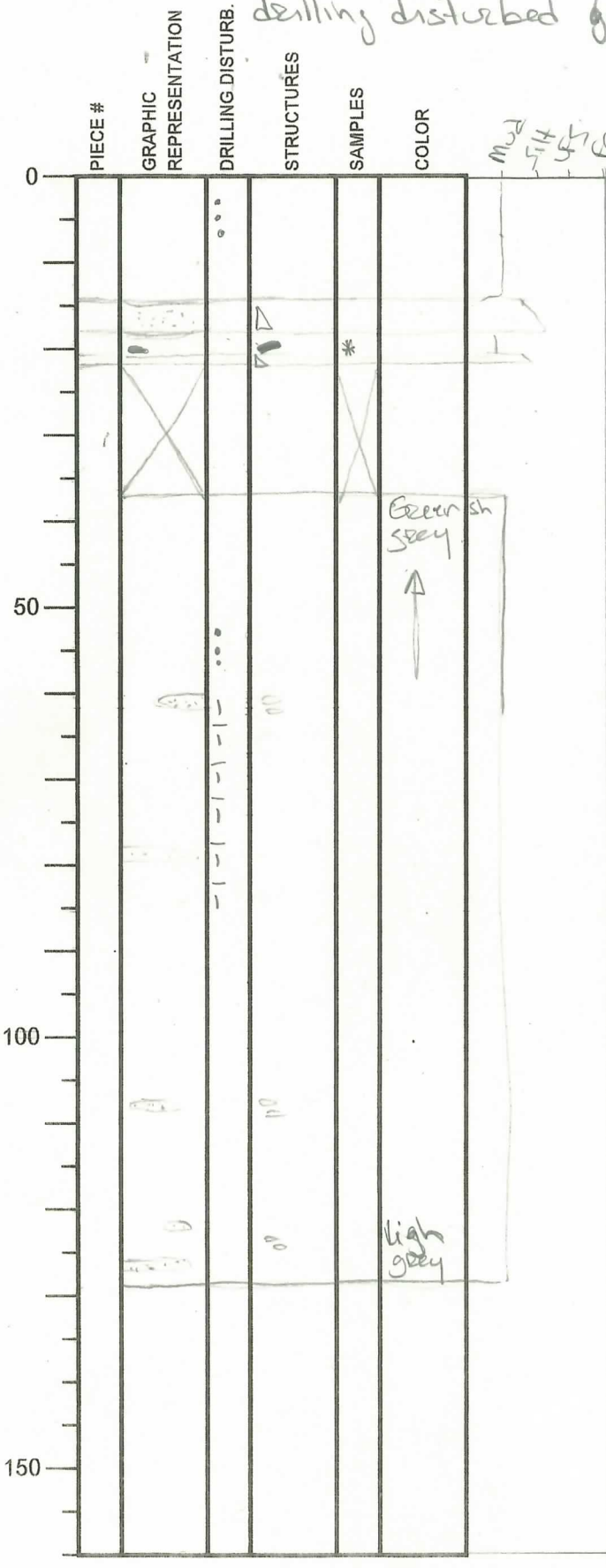
International Ocean Discovery Program

Visual Core Description

Mainly composed of structureless drilling disturbed grey mud

NO. 8
 DATE: 14/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 9X
 SECTION: 8
 TOP DEPTH (m CSF):

SECTION 8: 0-129 cm



SECTION DESCRIPTION

OBSERVER: PC

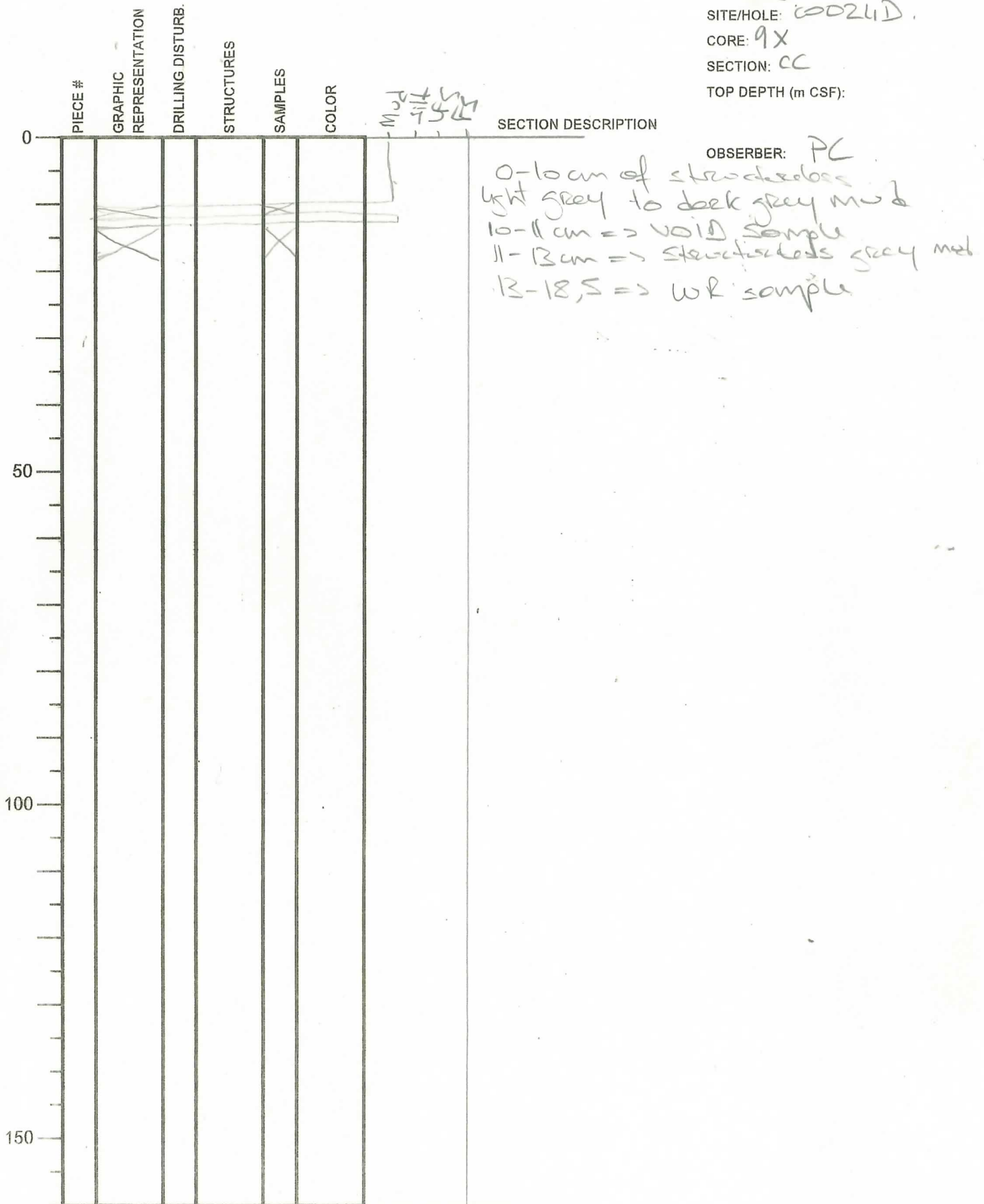
0-14 cm - Structureless grey mud
 14-18 cm - Graded silt grey
 18-21 cm - Structureless mud with
 21-22 cm - clast of OM? (SS at 2 cm)
 Graded silt
 22-37 cm - MHW sample

 37-129 cm => Structureless mud
 with some patches of dark
 grey silty mud.
 Variation of color -> from
 lgh grey at the base to
 more greenish grey at the
 top.
 Slightly to moderately
 affected by drilling

International Ocean Discovery Program Visual Core Description

NO. 9
 DATE: 14/02/2019
 EXP: 358
 SITE/HOLE: 0024D
 CORE: 9X
 SECTION: CC
 TOP DEPTH (m CSF):

CC => 0-18,5 cm



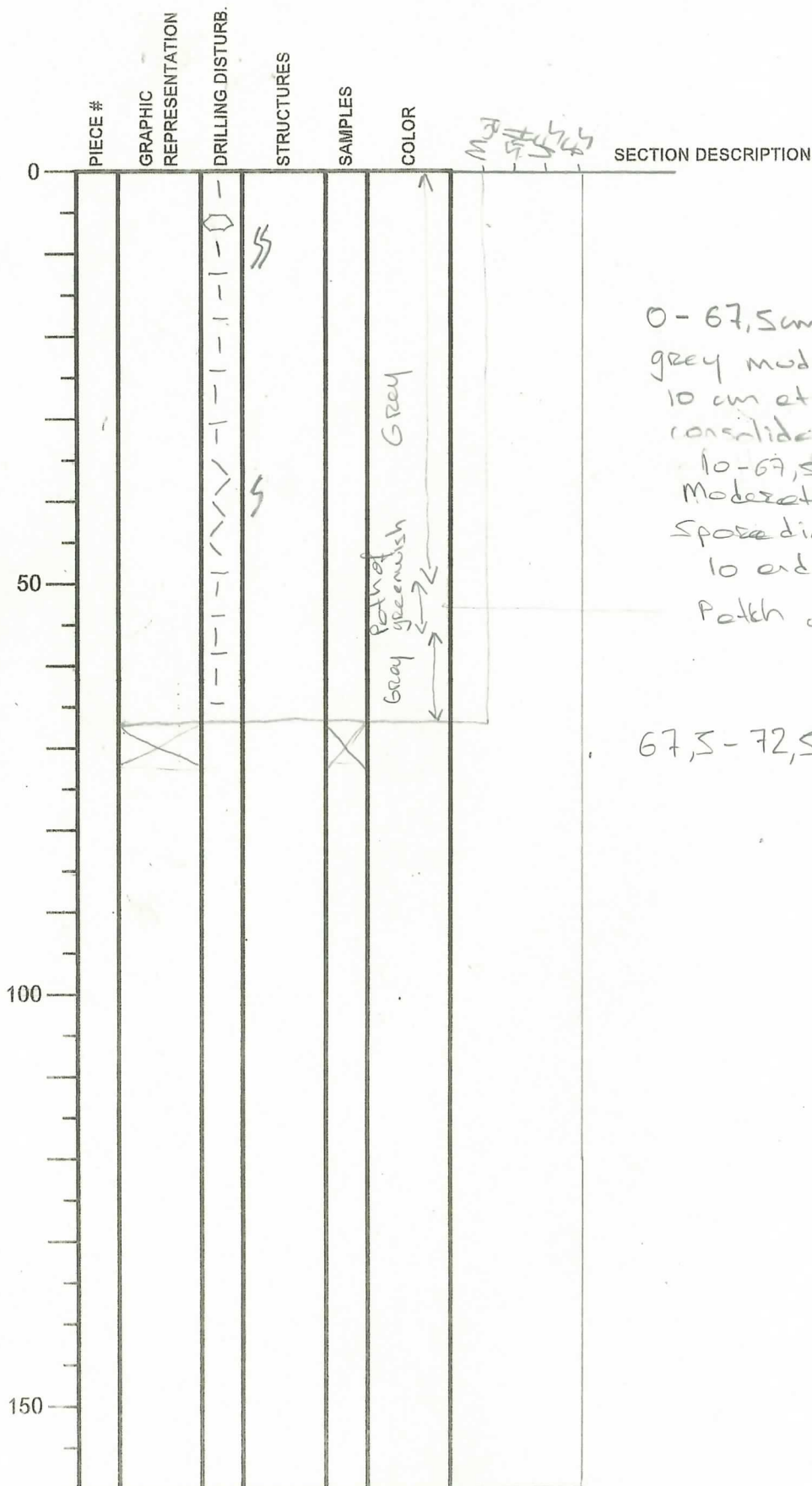
Mud
4527

International Ocean Discovery Program Visual Core Description

NO. 1
 DATE: 14/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 10X
 SECTION: 1
 TOP DEPTH (m CSF):

OBSERVER: PC

SECTION 1 = 0 - 72,5 cm



0 - 67,5 cm = structureless
 grey mud.
 10 cm at the top are well
 consolidated => biscuit (drilling induced)
 10 - 67,5 cm => moderate consolidation
 Moderate bioturbation at the top
 Sporadic bioturbation between
 10 and 67,5 cm.
 Patch of greenish-grey mud.
 67,5 - 72,5 cm => WR sample.

International Ocean Discovery Program

Visual Core Description

Alternating of highly disturbed hemipelagic grey mud with dark grey silty to fine sand graded turbidite

NO. 2
 DATE: 14/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 10X
 SECTION: 2
 TOP DEPTH (m CSF):

Section 2: 0-140 cm

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR	SECTION DESCRIPTION
0						0-9 cm: Structureless grey mud. OBSERVER: PC
						9-10 cm: Graded dark grey muddy silt.
						10-13 cm: Structureless grey mud
						13-16 cm: Structureless dark grey muddy silt
						16-19 cm: Structureless grey mud.
						19-22 cm: Graded dark grey muddy silt.
						22-24 cm: Structureless grey mud.
						24-27 cm: Graded dark grey muddy silt.
						27-30 cm: Structureless grey mud.
						30-36 cm: Graded FS.
						36-40 cm: Structureless grey mud.
						40-41 cm: Graded dark grey muddy silt.
						41-44 cm: Structureless grey mud.
						44-45 cm: Graded FS & sharp base.
50						45-57 cm: Structureless grey mud. Moderate drilling disturb.
						57-59 cm: Graded dark grey muddy FS. Sharp base.
						59-66: Structureless silty mud.
						66-68: Structureless grey mud.
						68-74: Structureless dark grey silty mud.
						74-84: Structureless grey mud with patch of muddy silt (dark grey).
						84-87: Graded dark grey muddy silt.
						87-106: Structureless grey mud. Moderate drilling disturb.
100						106-108: Graded muddy dark grey silt
						108-111: Structureless grey mud.
						111-118: Graded FS - Sharp base. } Dark muddy
						118-120: Graded FS - Sharp base. } grey
						120-126: Structureless grey mud.
						126-129: Graded dark grey FS with
						129-135: Laminated silt - Alternating between laminae of mud and silt.
						135-140: Structureless dark grey mud. Highly drilling disturb.
150						

International Ocean Discovery Program

Visual Core Description

0-141 cm : Dark olive gray

INTERBEDS OF SILTY CLAY AND FINE SAND

NO.

DATE: 1/20/19

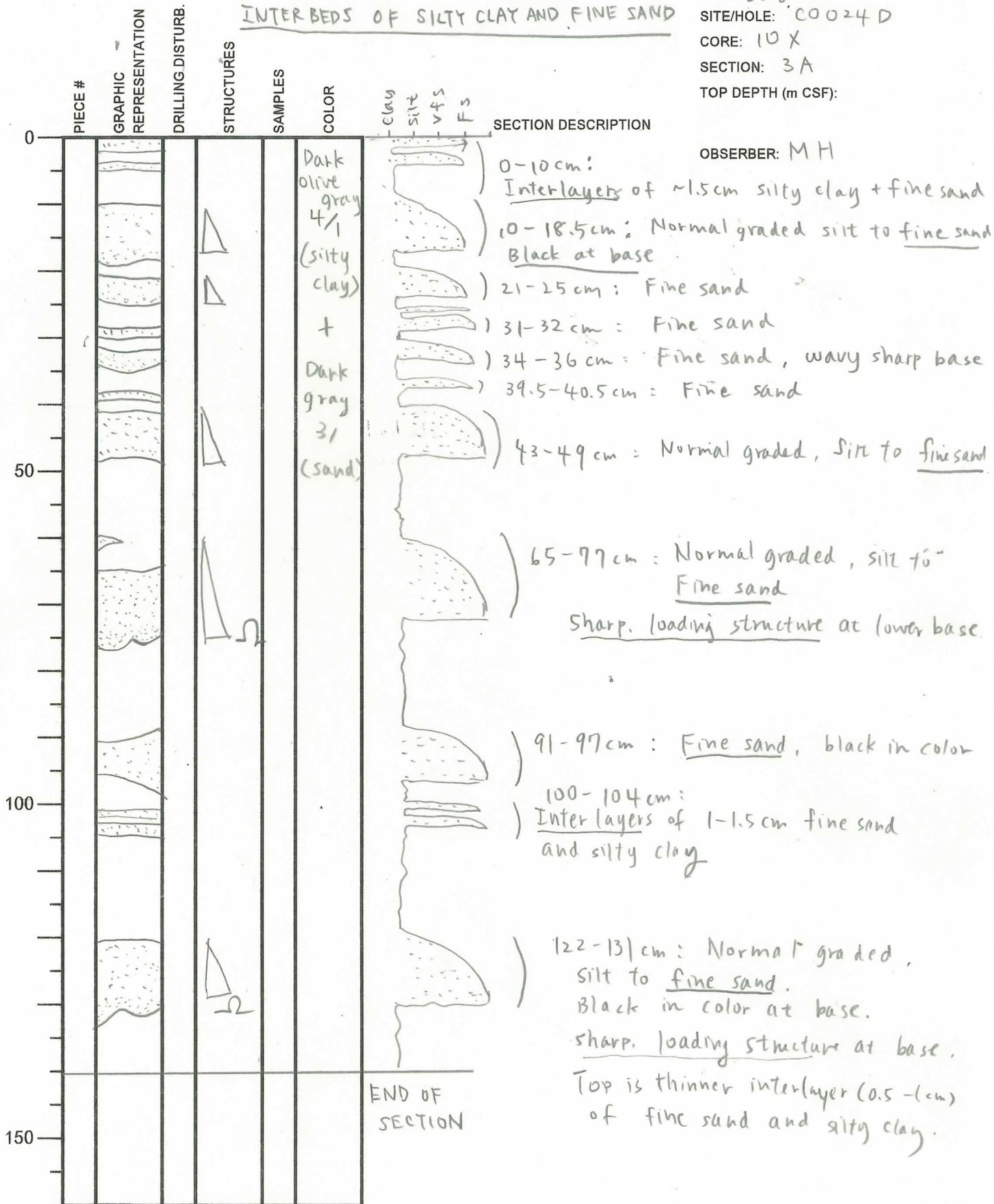
EXP.: 358

SITE/HOLE: C0024D

CORE: 10X

SECTION: 3A

TOP DEPTH (m CSF):



OBSERVER: MH

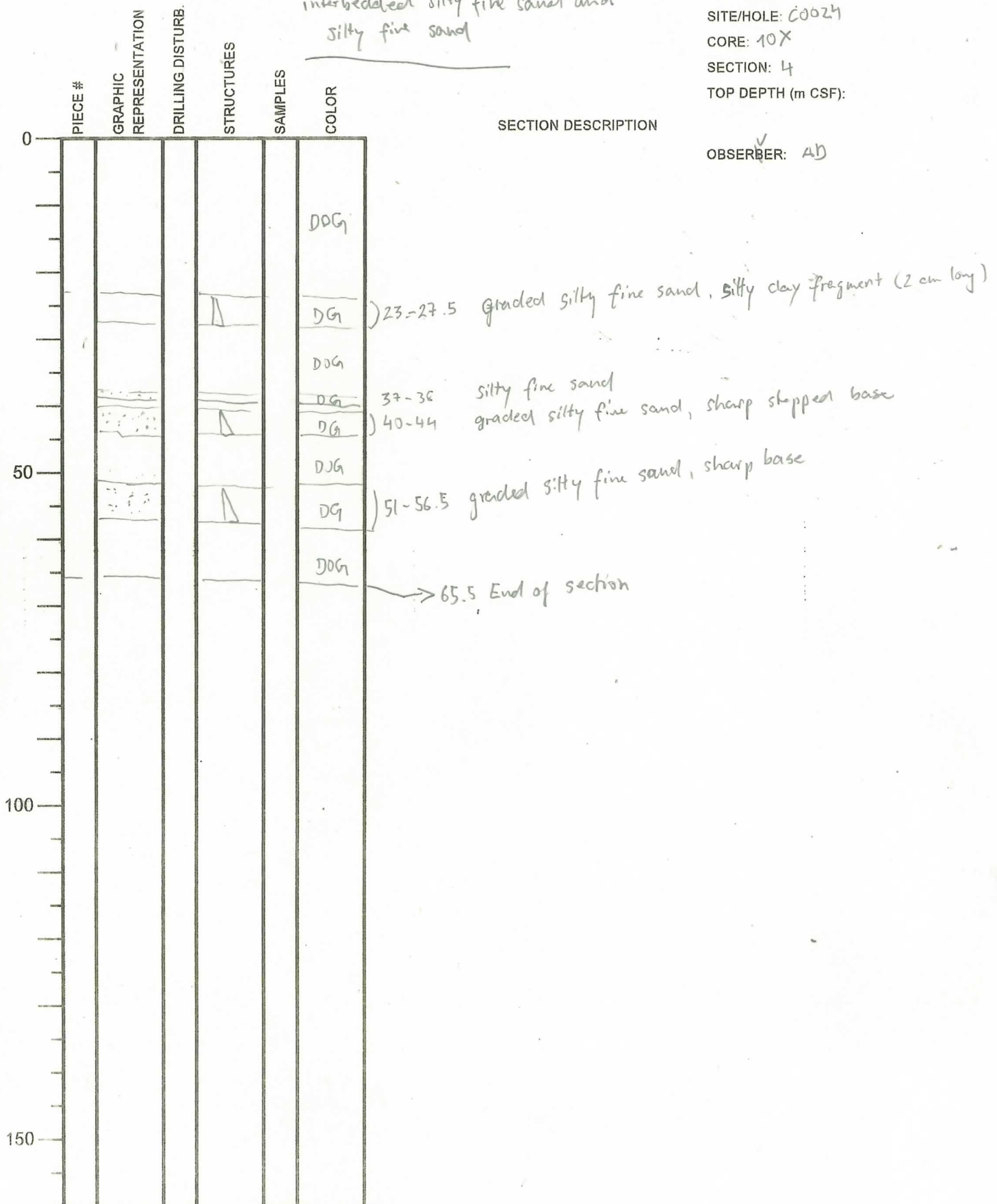
International Ocean Discovery Program

Visual Core Description

0-65.5 cm: Dark grey and dark olive grey
interbedded silty fine sand and
silty fine sand

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024
CORE: 10X
SECTION: 4
TOP DEPTH (m CSF):

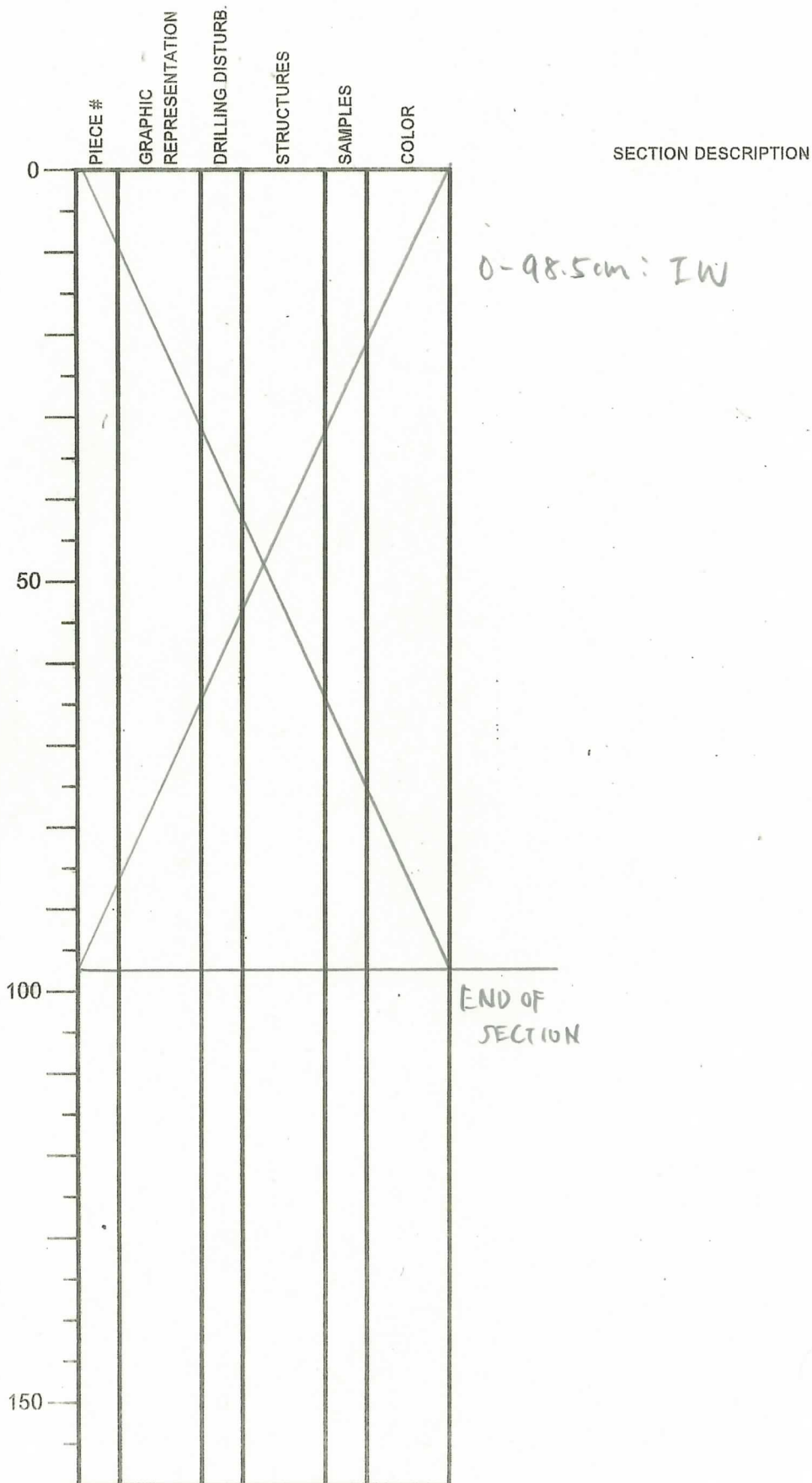
OBSERVER: ^VAD



International Ocean Discovery Program Visual Core Description

NO.
 DATE: 5/03/20
 EXP.: 358
 SITE/HOLE: 60024D
 CORE: 10X
 SECTION: 5A
 TOP DEPTH (m CSF):

OBSERVER: MH



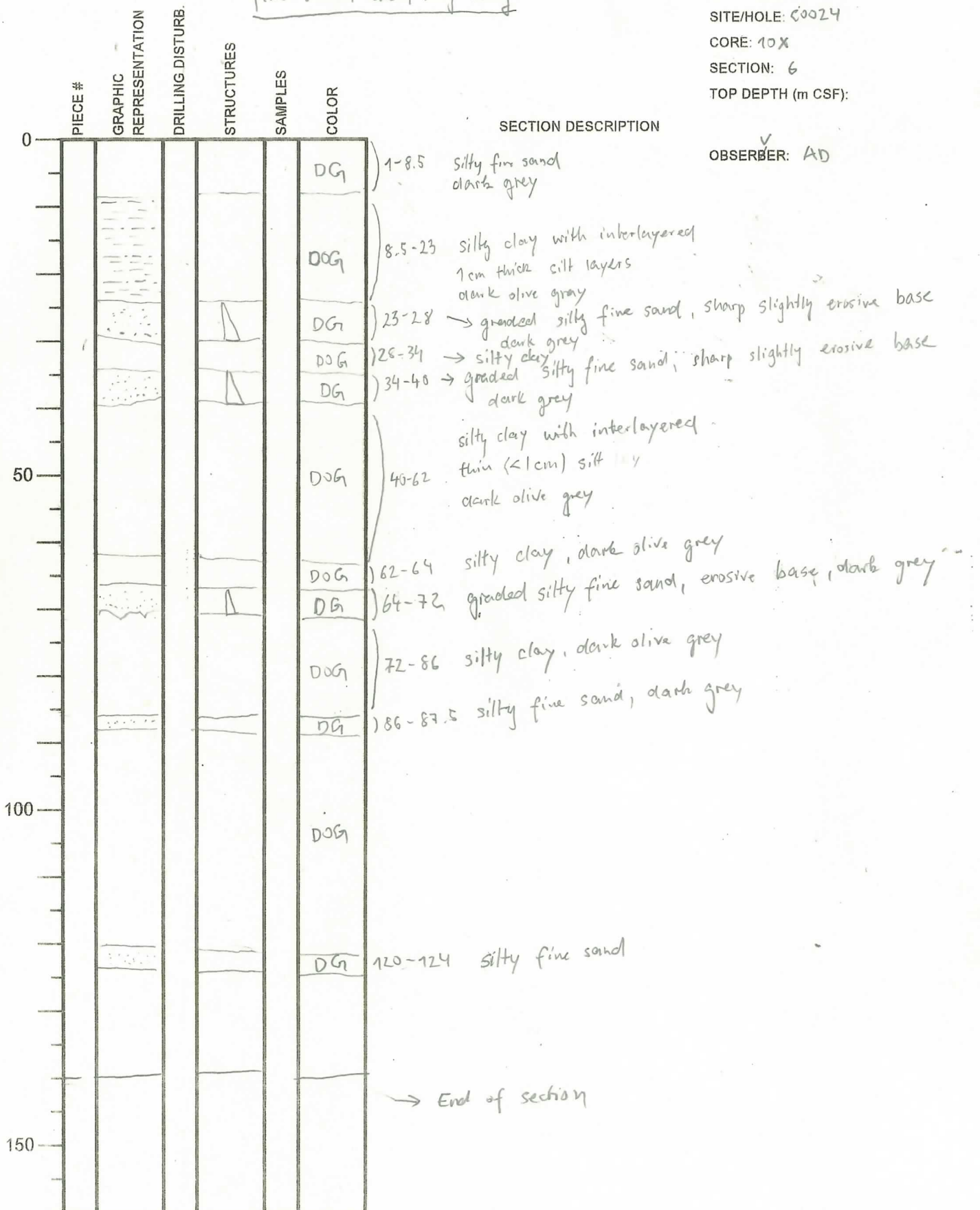
International Ocean Discovery Program

Visual Core Description

0-140 cm: Dark olive grey, dark grey interbedded
fine sand, silt, silty clay

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024
CORE: 10X
SECTION: 6
TOP DEPTH (m CSF):

OBSE^VRBER: AD

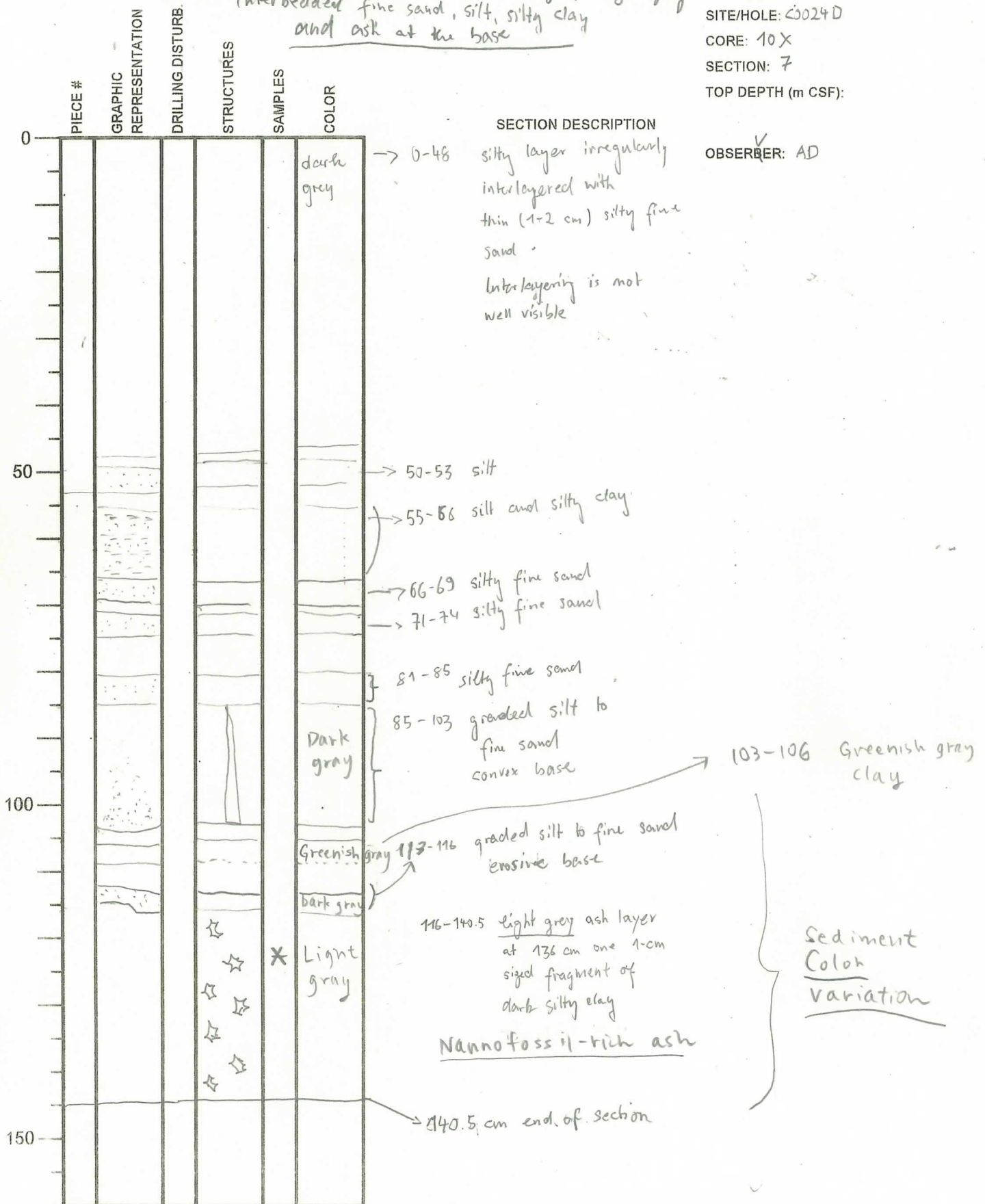


International Ocean Discovery Program Visual Core Description

0-140.5 cm: Dark olive grey, dark grey, light grey
interbedded fine sand, silt, silty clay
and ash at the base

NO.
DATE: 15/03/2013
EXP.: 358
SITE/HOLE: C024D
CORE: 10X
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER: AD



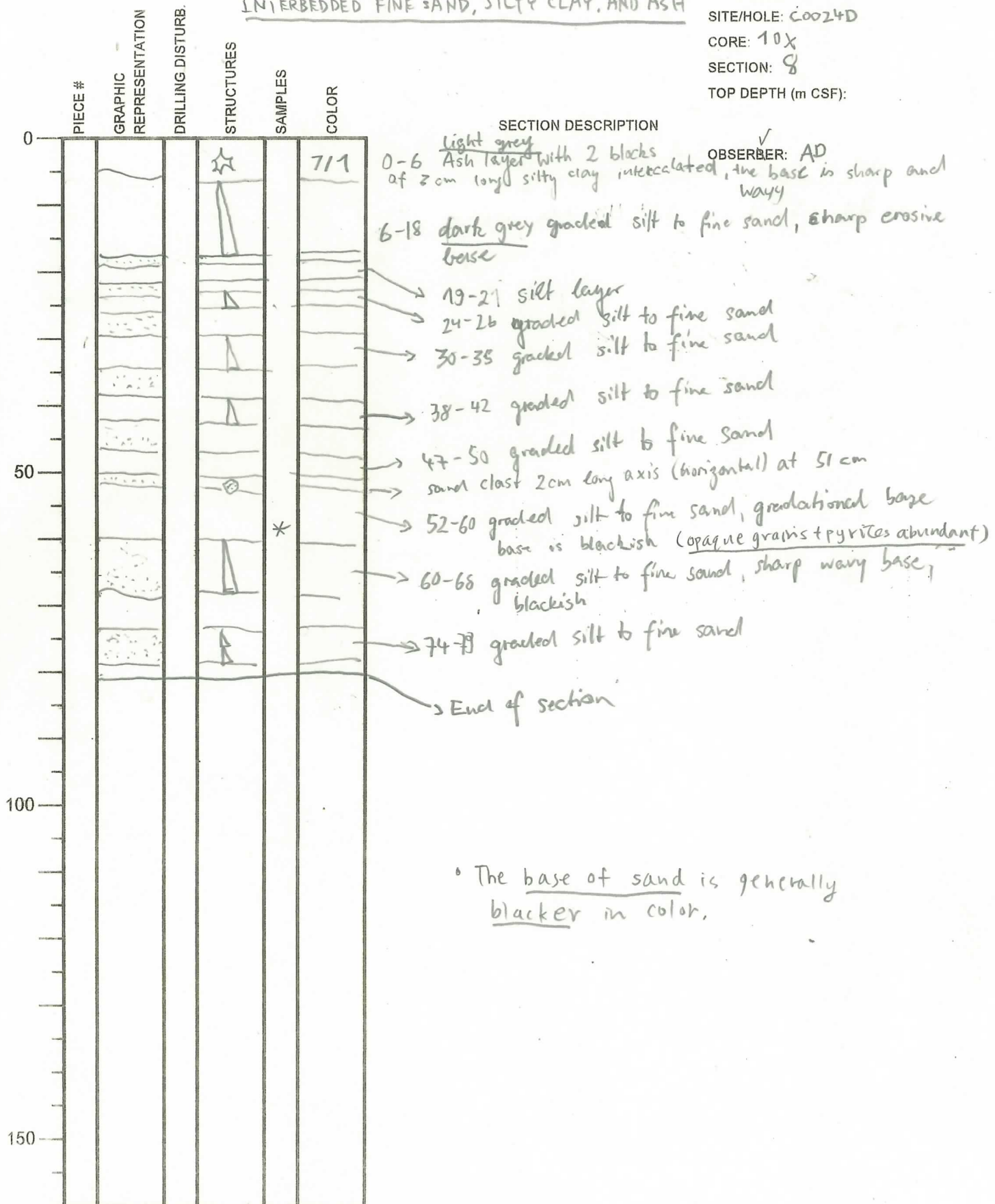
* SS (121 cm)
ash

International Ocean Discovery Program

Visual Core Description

0 - 81 cm = Dark olive gray, dark gray, light gray
INTERBEDDED FINE SAND, SILTY CLAY, AND ASH

NO.
 DATE: 15/03/2018
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 10X
 SECTION: 8
 TOP DEPTH (m CSF):



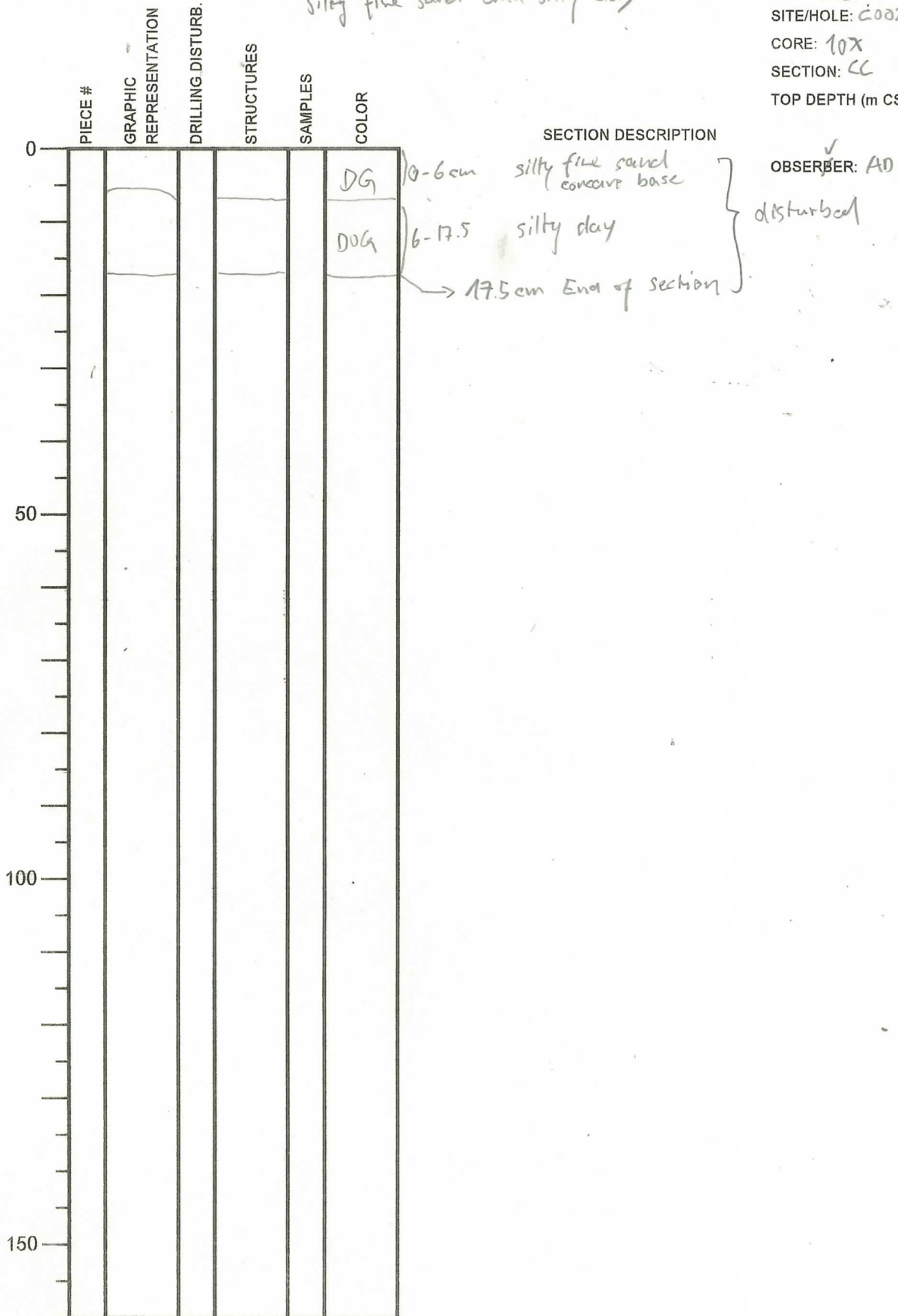
* SS. (58cm, Black sand)

International Ocean Discovery Program

Visual Core Description

0-17.5 cm: Dark grey and dark olive grey
silty fine sand and silty clay

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 10X
SECTION: CC
TOP DEPTH (m CSF):



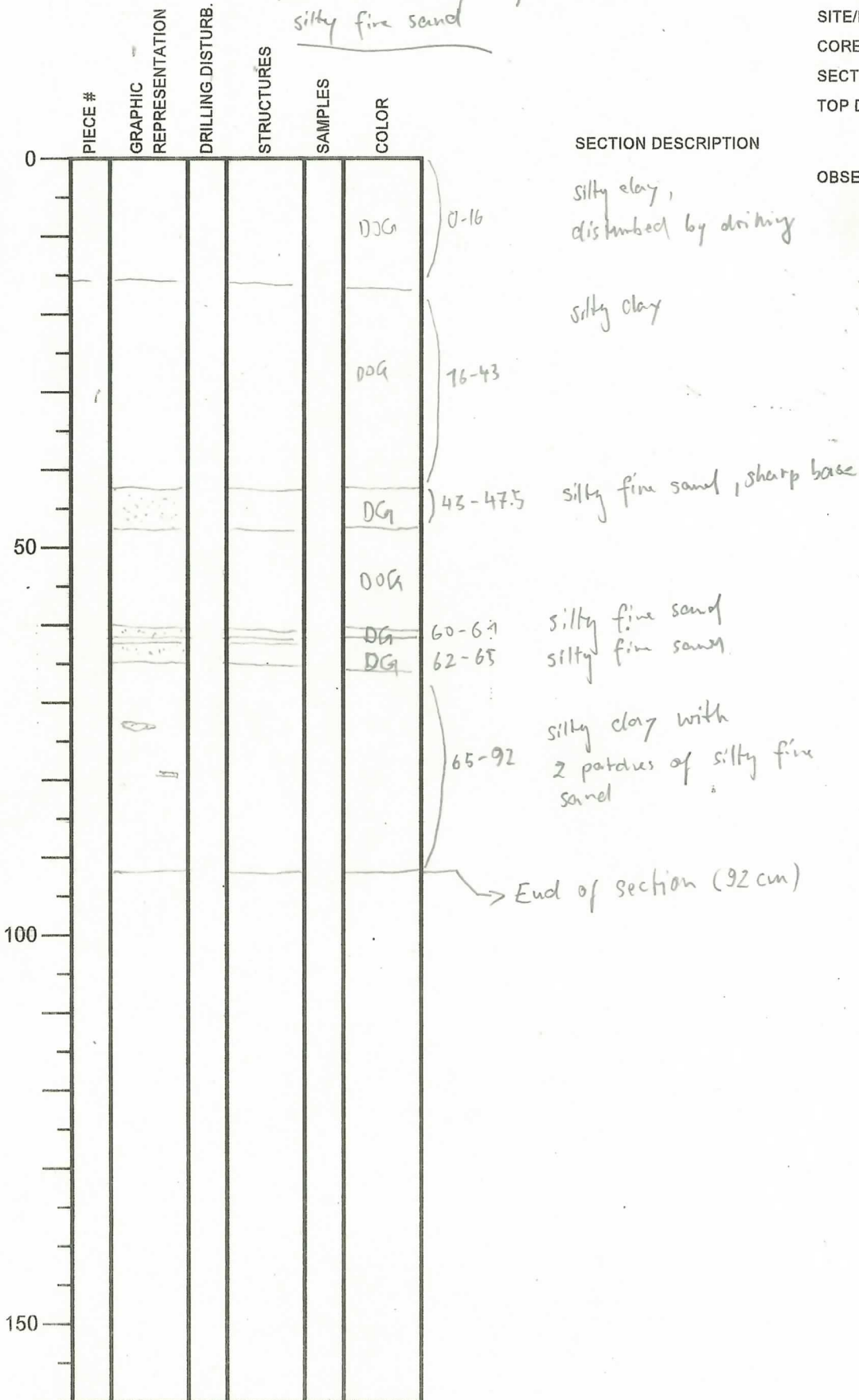
International Ocean Discovery Program

Visual Core Description

0-92 cm: Dark grey and dark olive grey
interbedded silty clay and
silty fine sand

NO.
DATE: 15/05/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 11X
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: AD



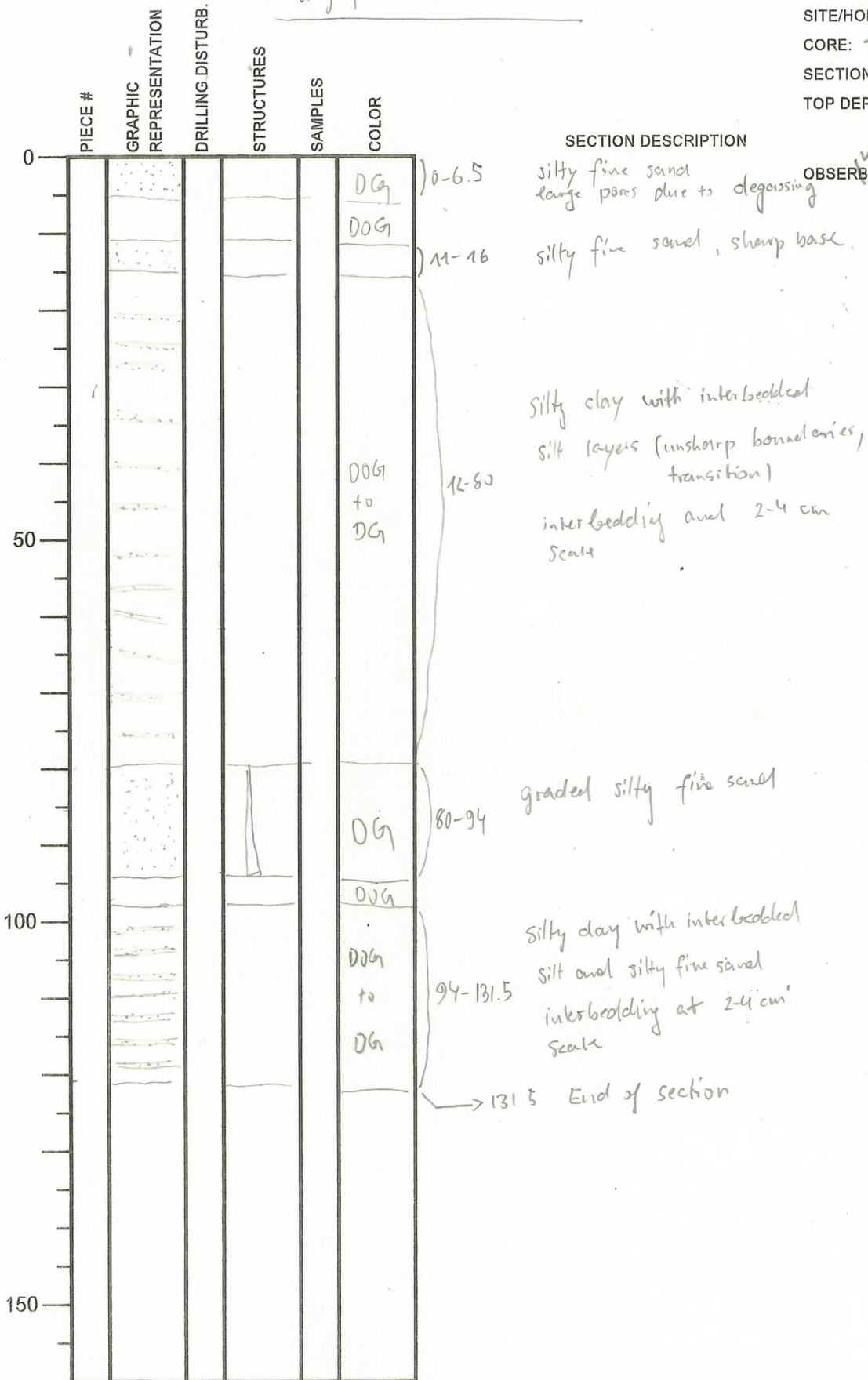
International Ocean Discovery Program

Visual Core Description

0-131.5 cm: mainly silty clay with interbedded silty fine sand and silt

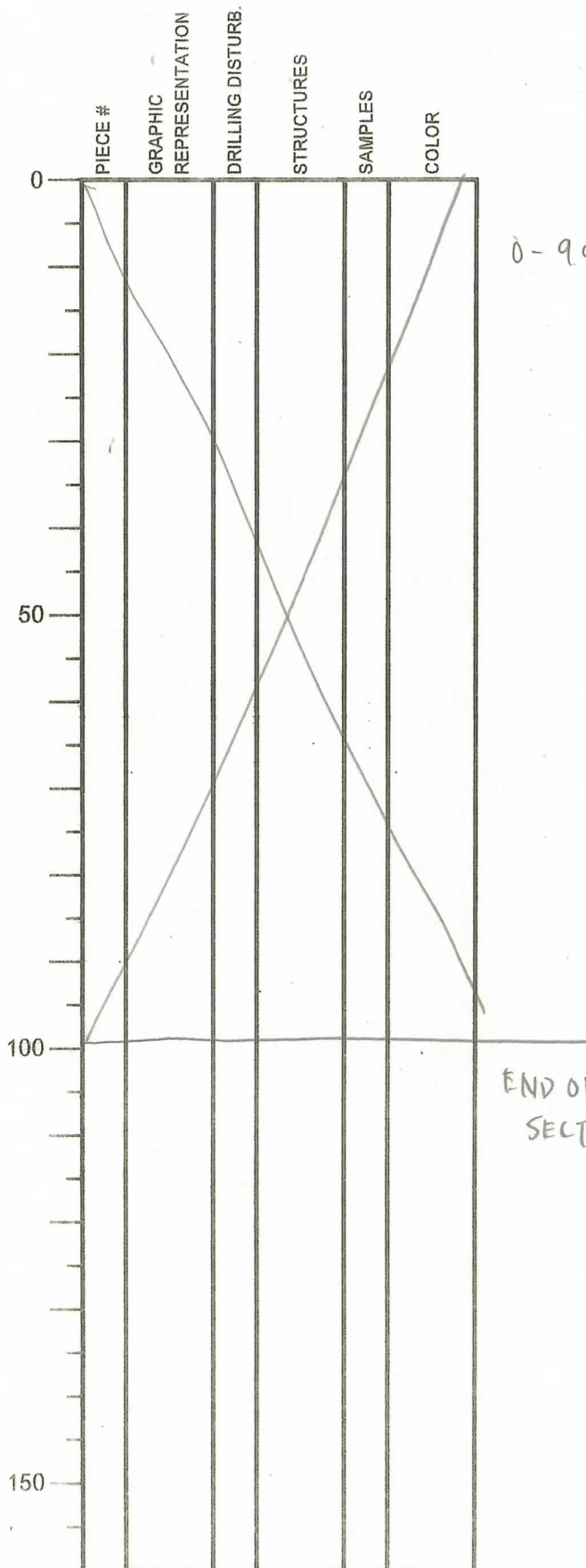
NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: 20024D
CORE: 11x
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: AD



International Ocean Discovery Program
Visual Core Description

NO.
DATE: 15/3/20 19
EXP.: 358
SITE/HOLE: C0024D
CORE: 11X
SECTION: 3A
TOP DEPTH (m CSF):



SECTION DESCRIPTION

0-99cm = IW

END OF
SECTION

OBSERVER: MH

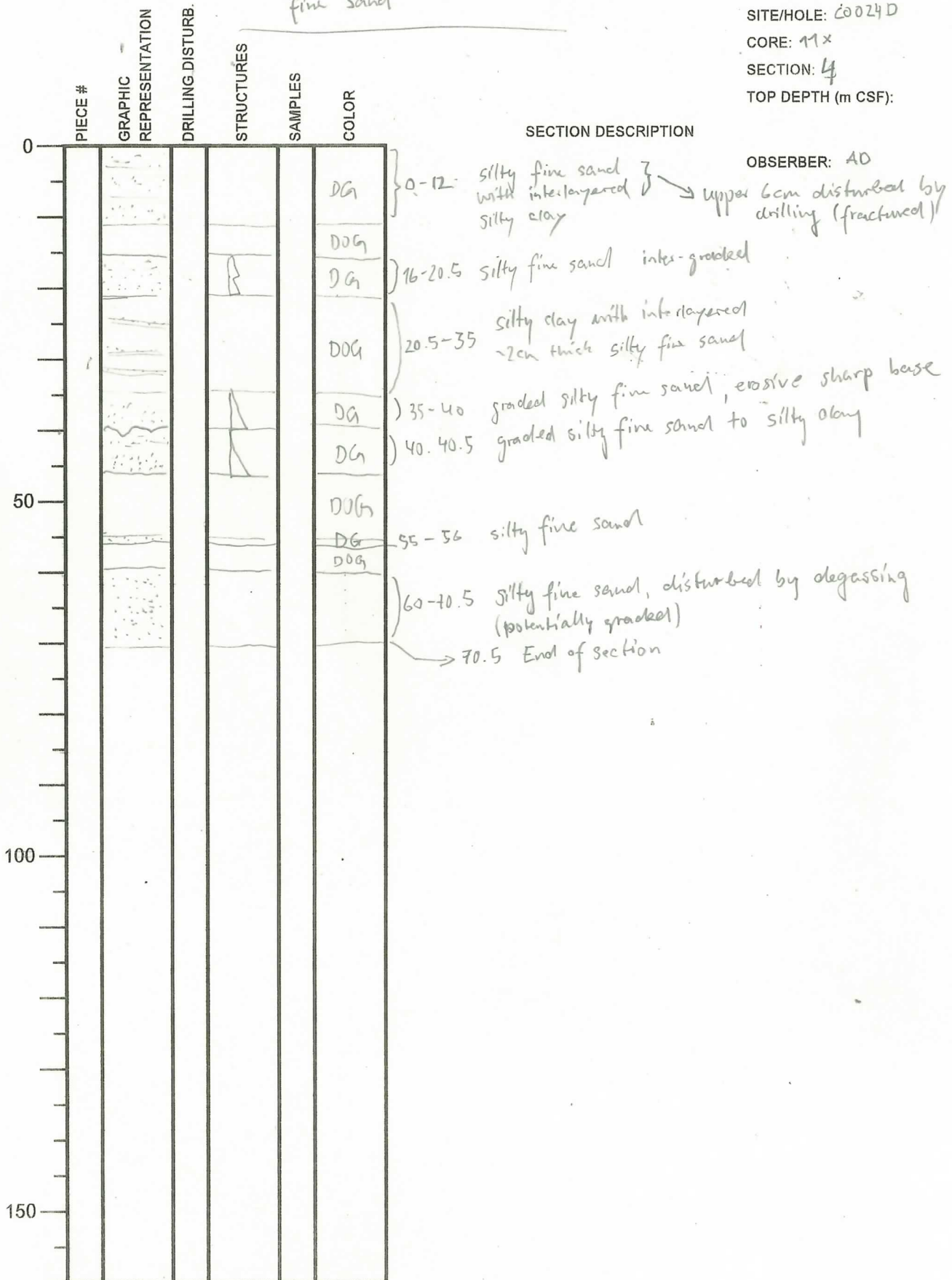
International Ocean Discovery Program

Visual Core Description

0-70.5 Interbedded silty clays and silty fine sand

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 11x
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: AD



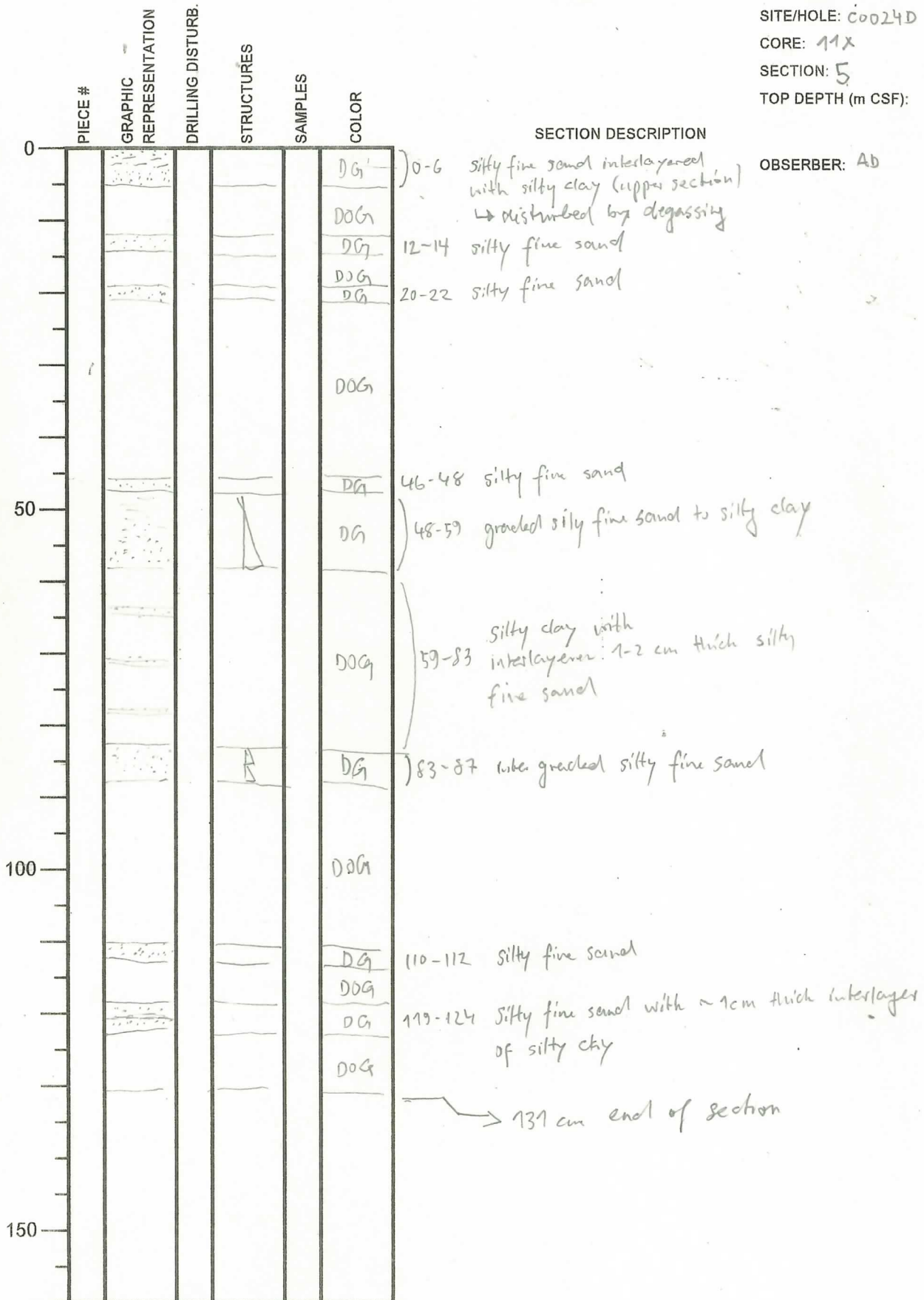
International Ocean Discovery Program

Visual Core Description

0-131 cm: interbedded silty clay and sand

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 11X
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: AB



International Ocean Discovery Program

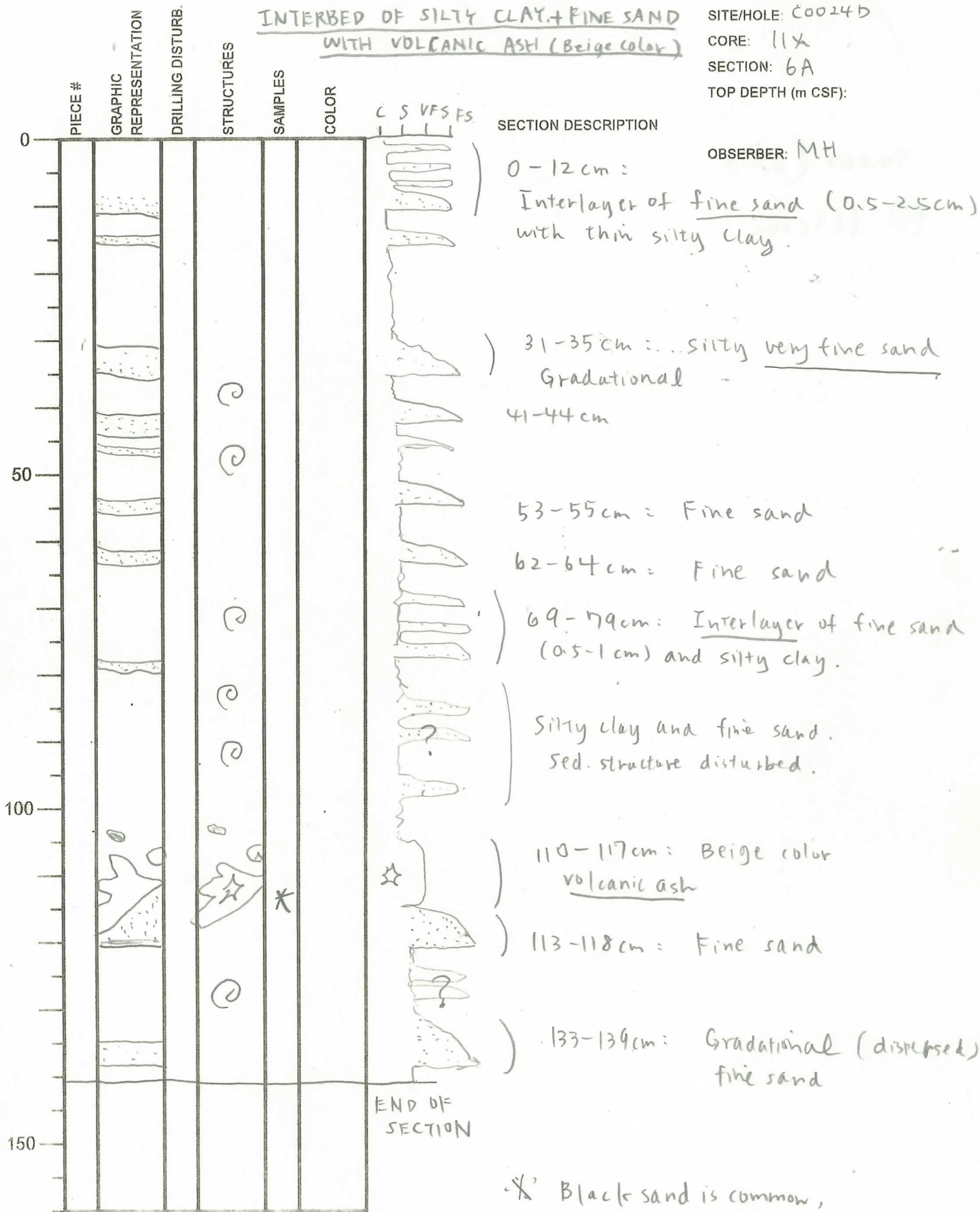
Visual Core Description

0-141cm: Dark olive gray

INTERBED OF SILTY CLAY + FINE SAND
WITH VOLCANIC ASH (Beige color)

NO.
DATE: 15/03/20
EXP.: 358
SITE/HOLE: C0024D
CORE: 11X
SECTION: 6A
TOP DEPTH (m CSF):

OBSERVER: MH



* SS

* Black sand is common, particularly at base + some clasts

International Ocean Discovery Program

Visual Core Description

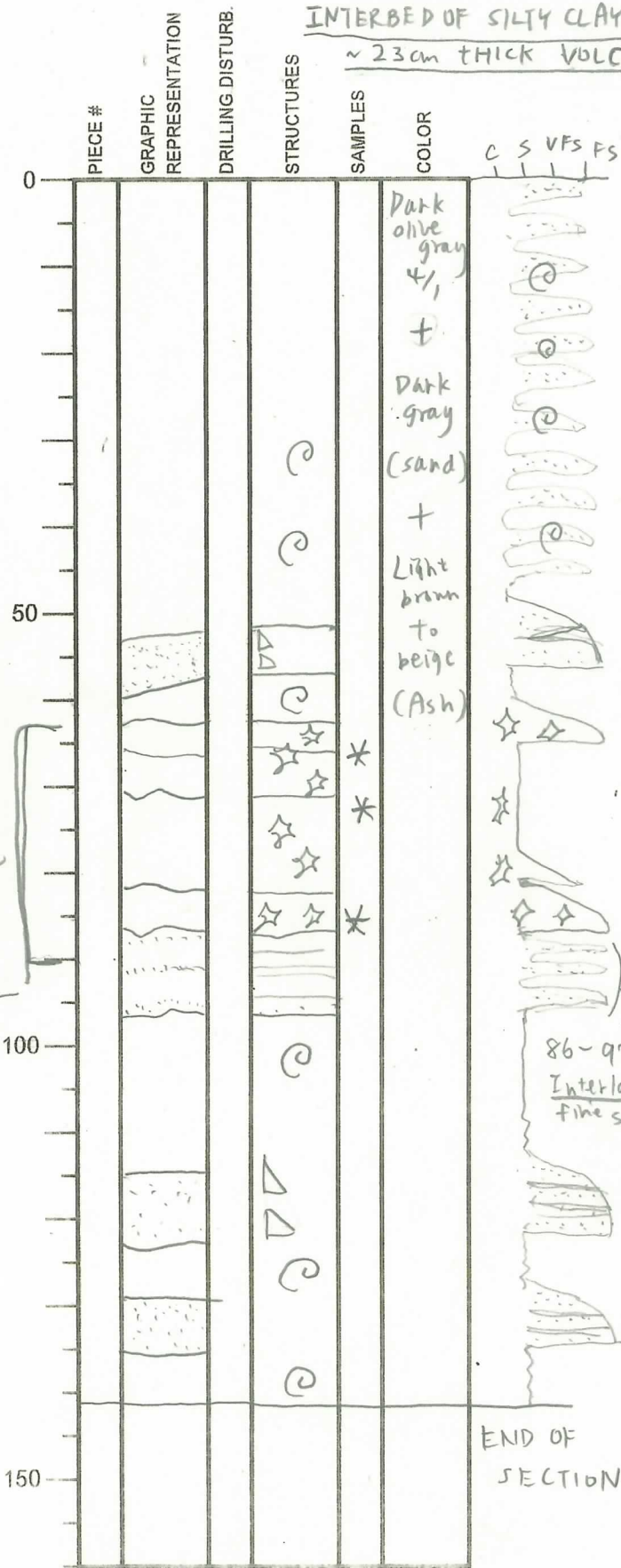
0-140.5 cm : Dark olive gray

INTERBED OF SILTY CLAY, FINE SAND, AND
~ 23cm THICK VOLCANIC ASH

NO.
 DATE 15/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 11X
 SECTION: 7A
 TOP DEPTH (m CSF):

OBSERVER: MH

Correlated with ash layer C0024G-1X-3-23S-36S



SECTION DESCRIPTION

0-53cm: Generally silty clay and very fine sand, interbedded (2-3cm), but sedimentary structure disturbed (by drilling).

53-59cm: Coarsening ↓ (gradation) silt to fine sand. Black in color at base, Mica-rich.

63-86cm: Volcanic Ash
 Coarsening ↓, several cycles + Different color:

63-66cm: Med. to coarse grained light brown ash.

66-71cm: clay size beige ash

71-80cm: Silty clay size orange gray ash

80-83cm: Silty brown ash

83-86cm: Pink orange ash, silt to med. grained at base.

86-97cm: Interlayer (1-2cm thick) fine sand and silty clay

115-124cm: Gradational Coarsening ↓ silt to fine sand, 2 grading cycles

129-135cm: Interlayered fine sand and thin silty clay

END OF SECTION

* = SS

International Ocean Discovery Program

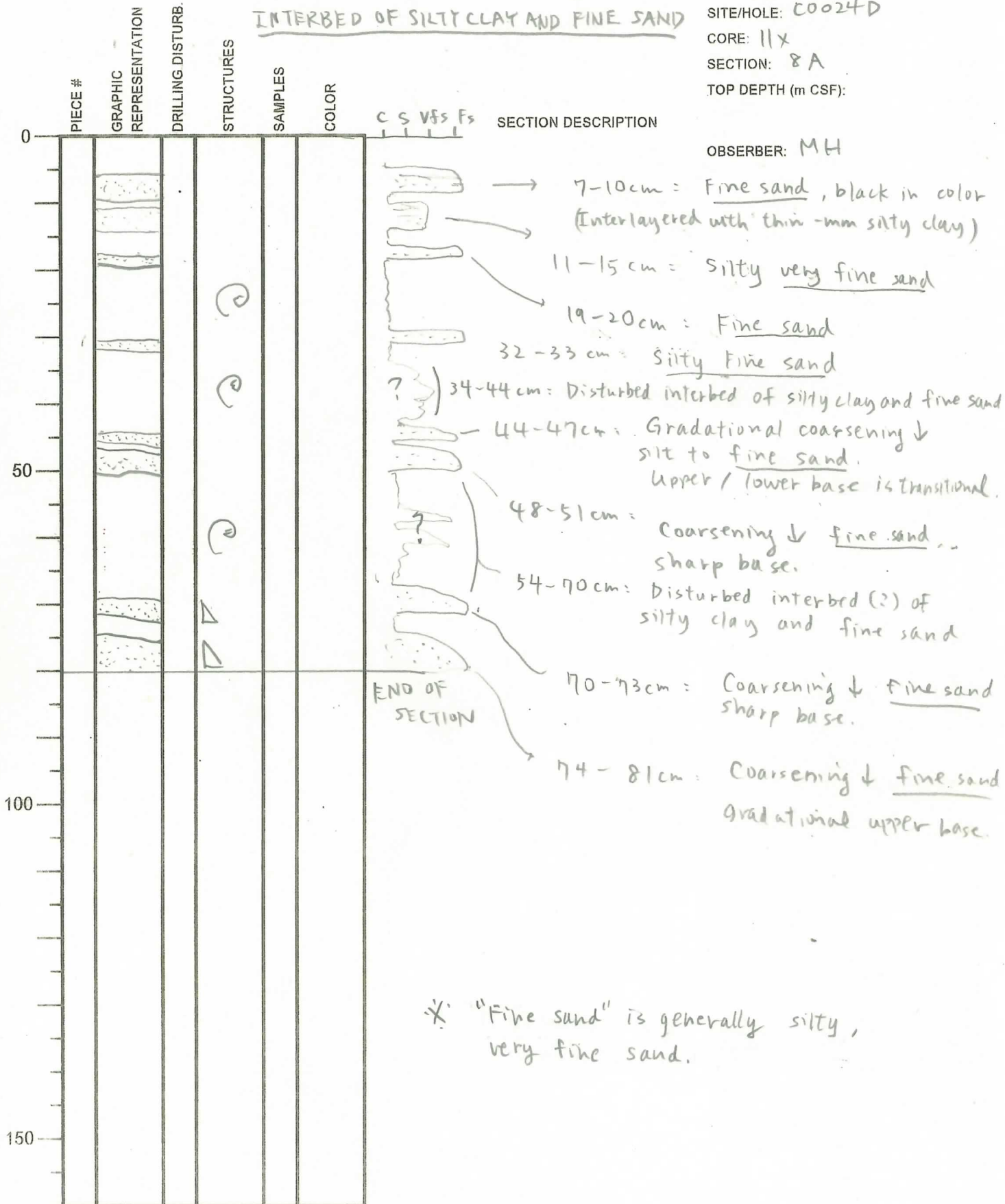
Visual Core Description

0-81cm: Dark olive gray

INTERBED OF SILTY CLAY AND FINE SAND

NO.
DATE: 15/03/20 19
EXP.: 358
SITE/HOLE: C0024D
CORE: 11x
SECTION: 8A
TOP DEPTH (m CSF):

OBSERVER: MH



* "Fine sand" is generally silty, very fine sand.

International Ocean Discovery Program

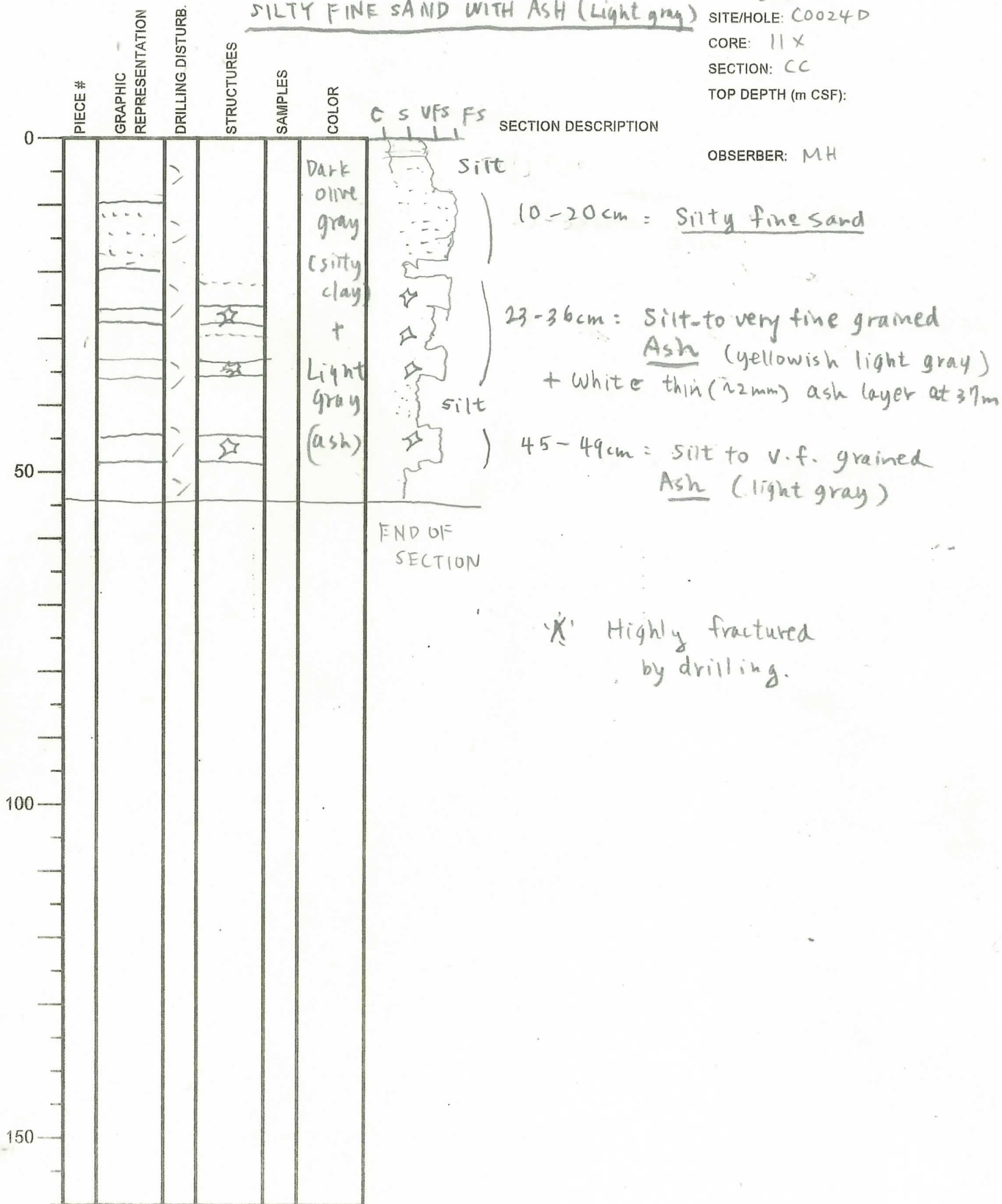
Visual Core Description

0-53 cm = Dark olive gray

SILTY FINE SAND WITH ASH (Light gray)

NO.
DATE: 15/03/20
EXP.: 358
SITE/HOLE: C0024D
CORE: 11X
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MH

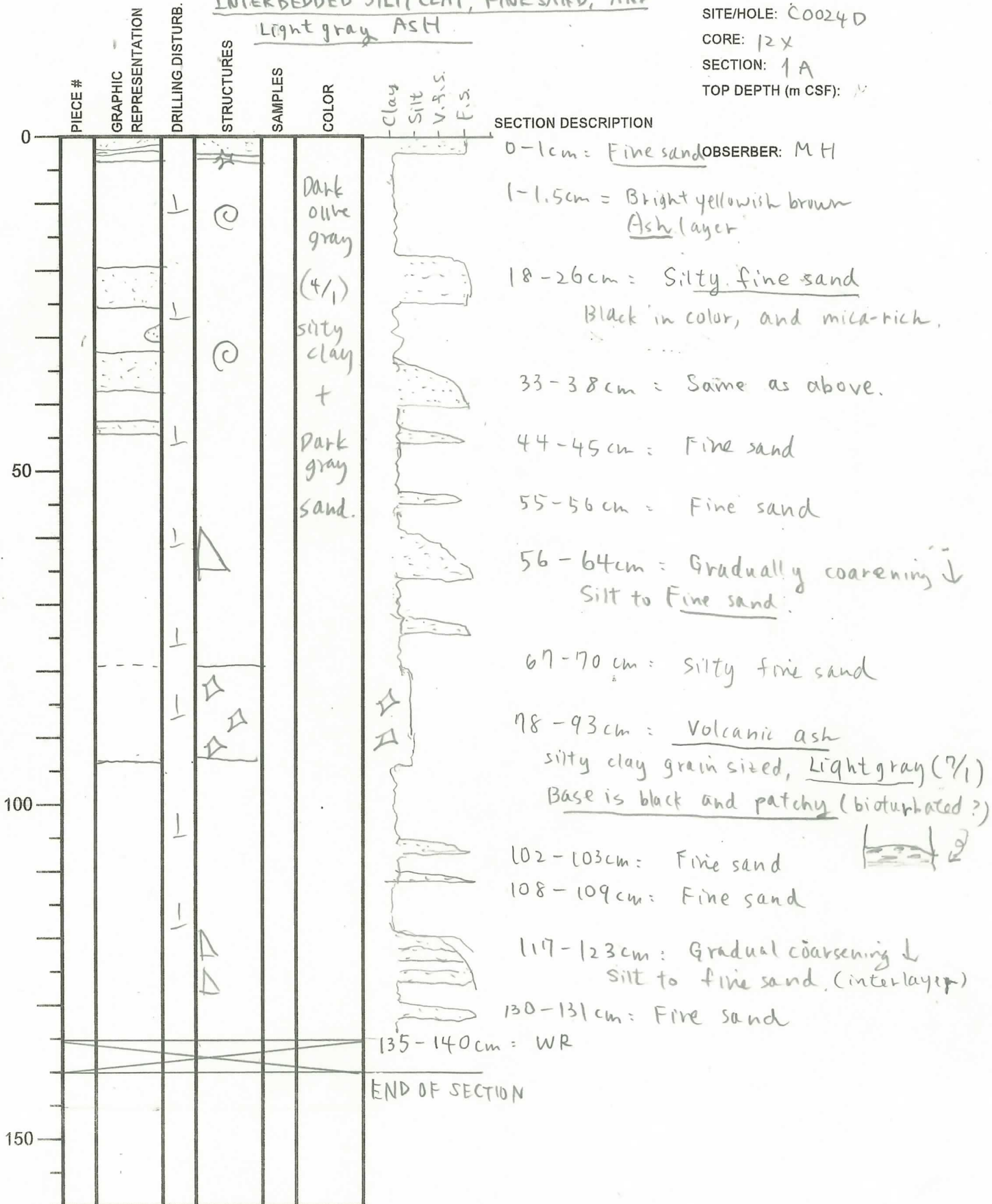


International Ocean Discovery Program

Visual Core Description

0-135cm: Dark olive gray
INTERBEDDED SILTY CLAY, FINE SAND, AND
Light gray Ash.

NO.
 DATE: 15/3/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 12X
 SECTION: 1A
 TOP DEPTH (m CSF): 1.35



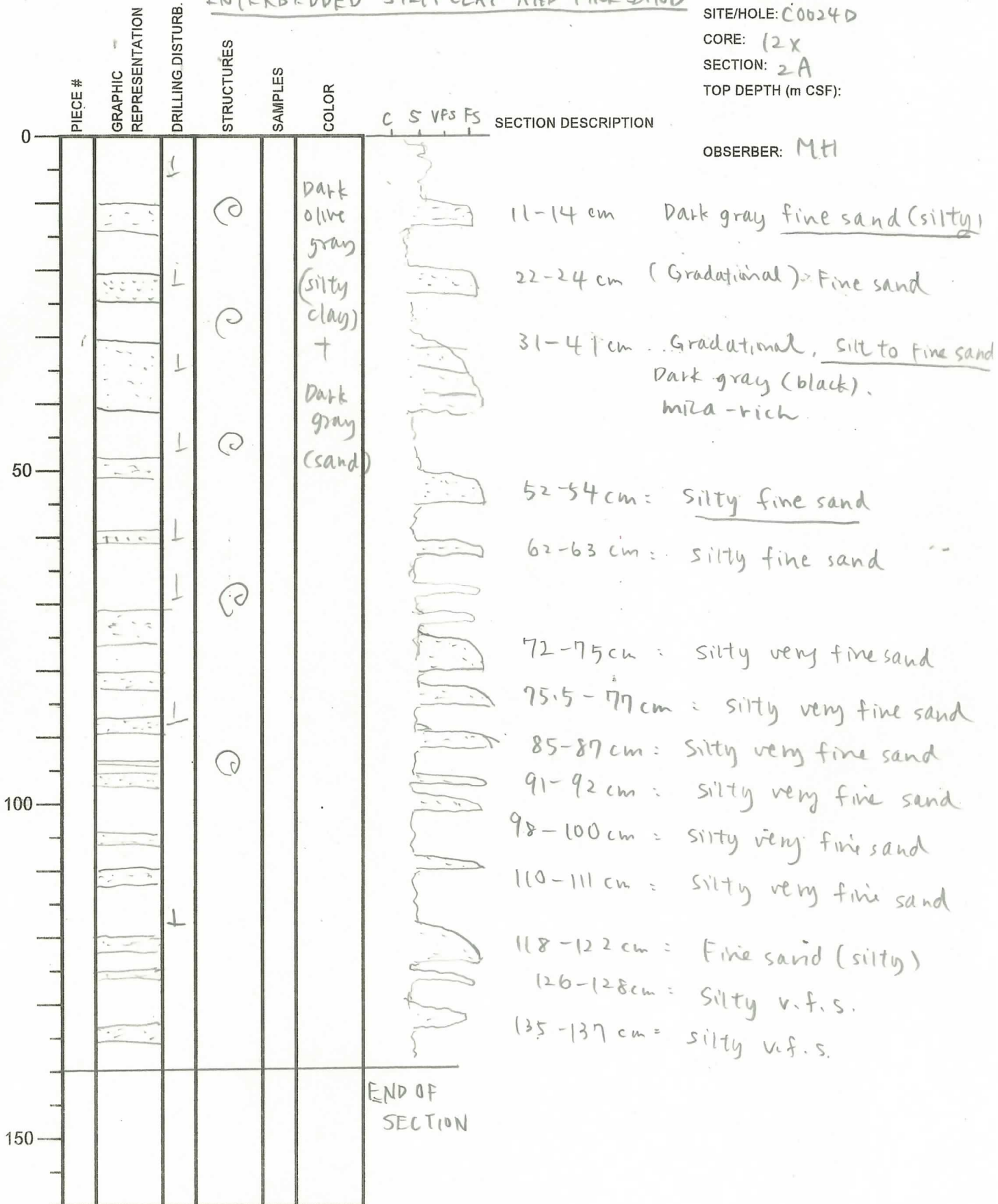
International Ocean Discovery Program

Visual Core Description

0-140cm = Dark olive gray ^{SILTY}
INTERBEDDED SILTY CLAY AND FINE SAND

NO.
 DATE: 15/3/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 12X
 SECTION: 2A
 TOP DEPTH (m CSF):

OBSERVER: MHI



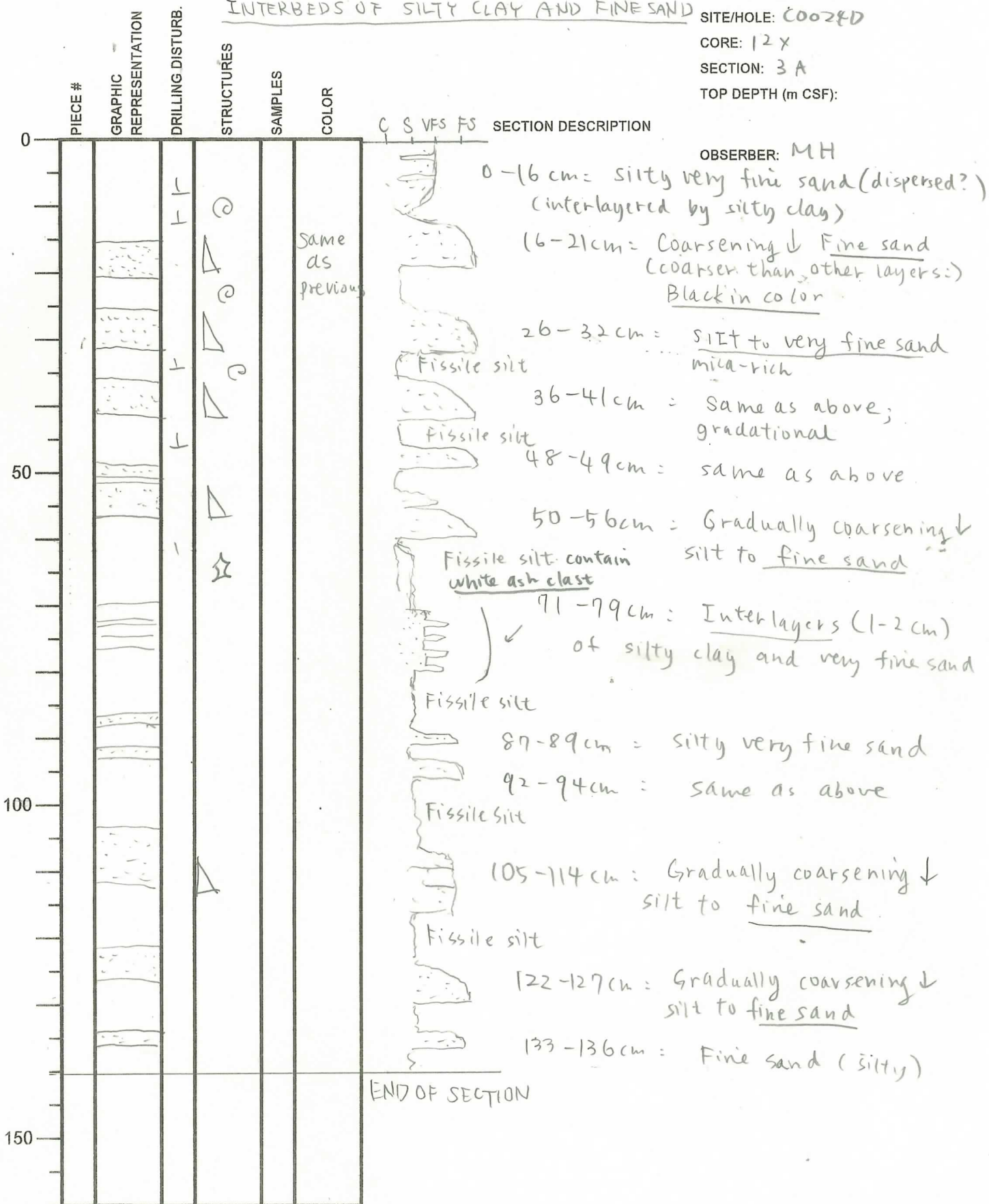
International Ocean Discovery Program

Visual Core Description

0-141 cm = Dark olive gray SILTY
INTERBEDS OF SILTY CLAY AND FINE SAND

NO.
 DATE: 15/03/2019
 EXP.: 358
 SITE/HOLE: C0028D
 CORE: 12X
 SECTION: 3A
 TOP DEPTH (m CSF):

OBSERVER: MH



International Ocean Discovery Program

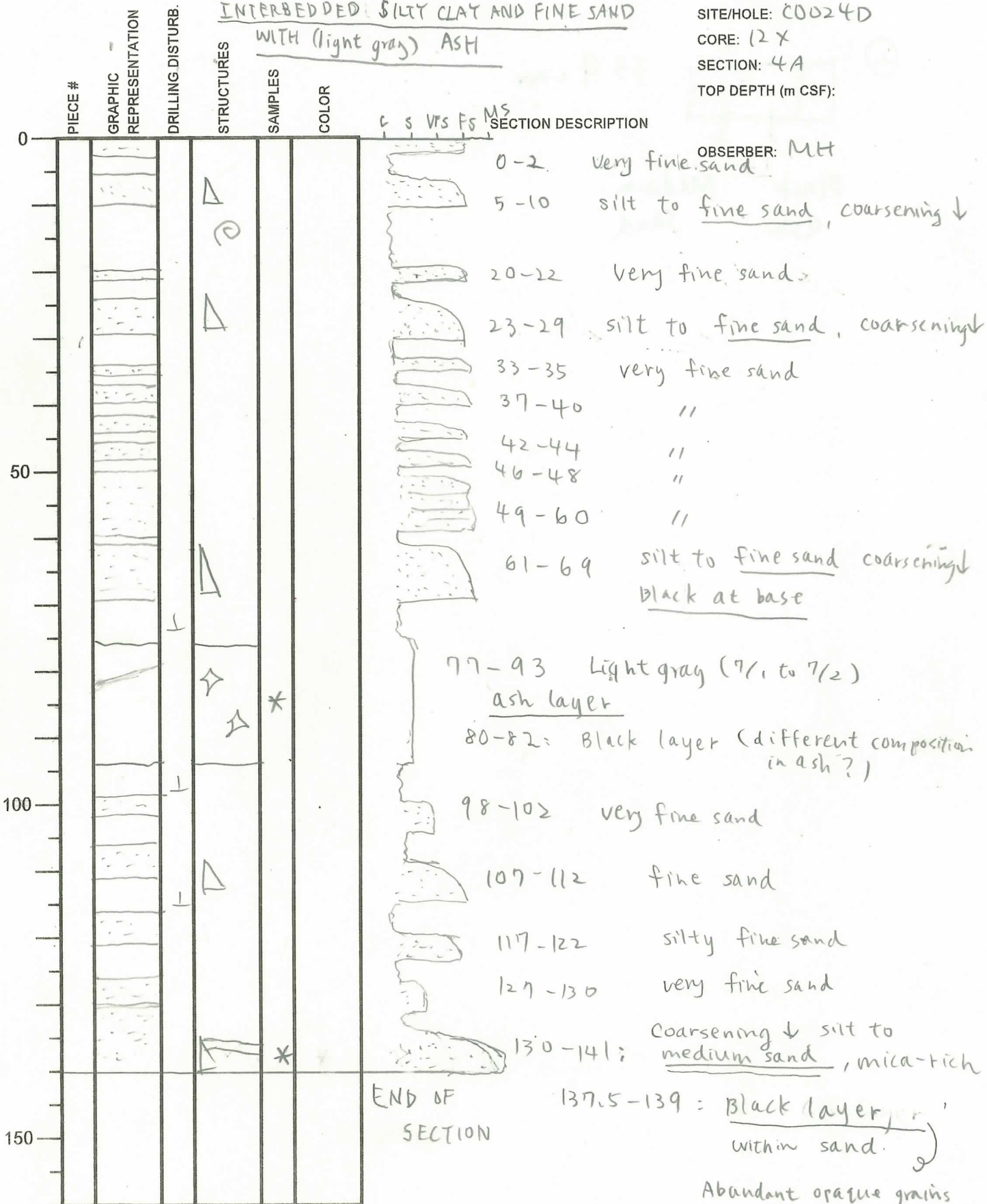
Visual Core Description

0-141cm: Dark olive gray

INTERBEDDED SILT CLAY AND FINE SAND
WITH (light gray) ASH

NO. 15/03/2019
 DATE: 15/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 12 X
 SECTION: 4A
 TOP DEPTH (m CSF):

OBSERVER: MTT



* SS (86 cm)
 * SS (138 cm)

Abundant opaque grains and pyrites.

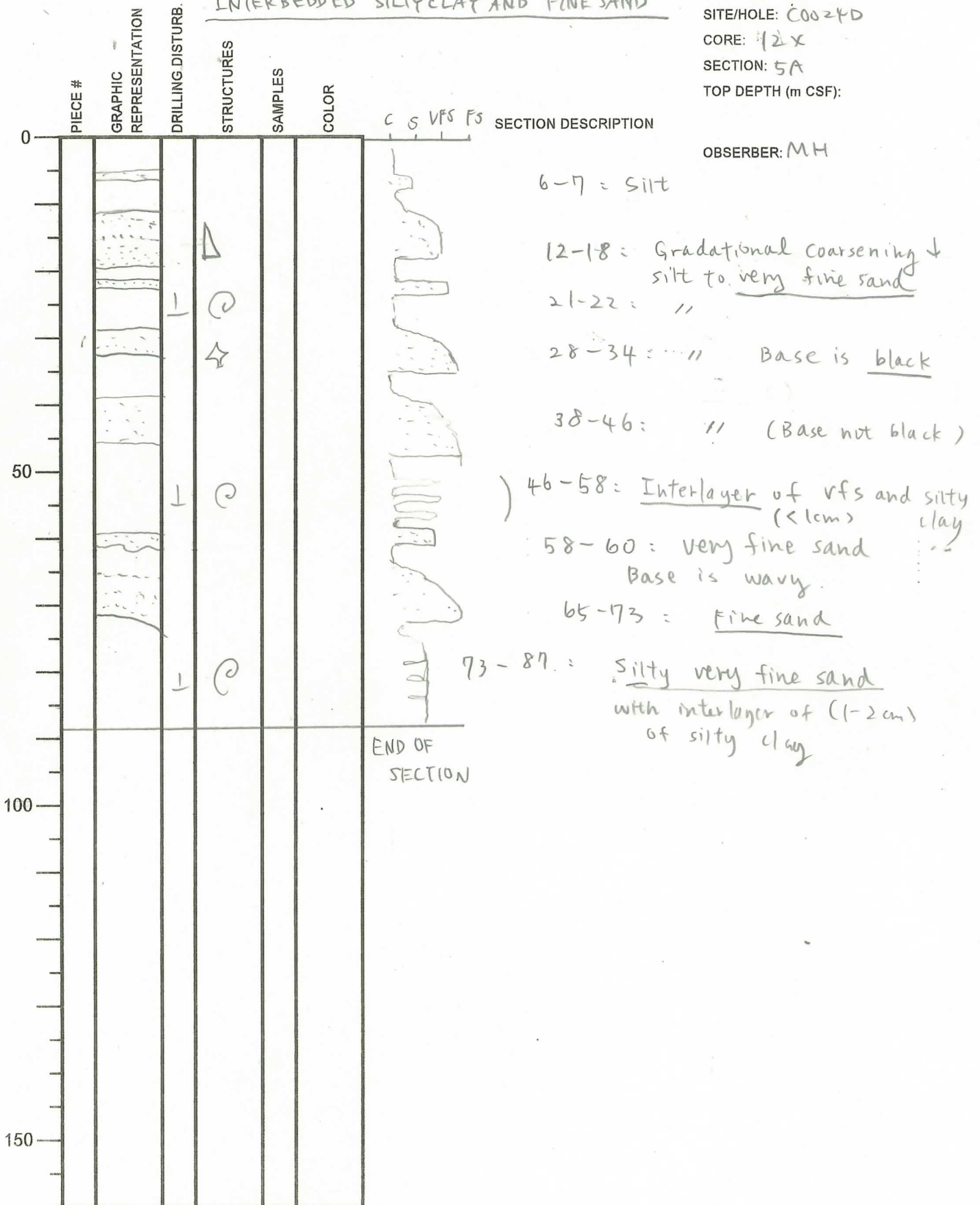
International Ocean Discovery Program

Visual Core Description

0-87 cm = Dark olive gray (very)
INTERBEDDED SILTY CLAY AND FINE SAND

NO.
 DATE: 15/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 42x
 SECTION: 5A
 TOP DEPTH (m CSF):

OBSERVER: MH



International Ocean Discovery Program Visual Core Description

NO.
 DATE: 15/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 12X
 SECTION: 6A
 TOP DEPTH (m CSF):

OBSERVER: MH

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0						
50						0-98.5 cm = IW
100						END OF SECTION
150						

International Ocean Discovery Program

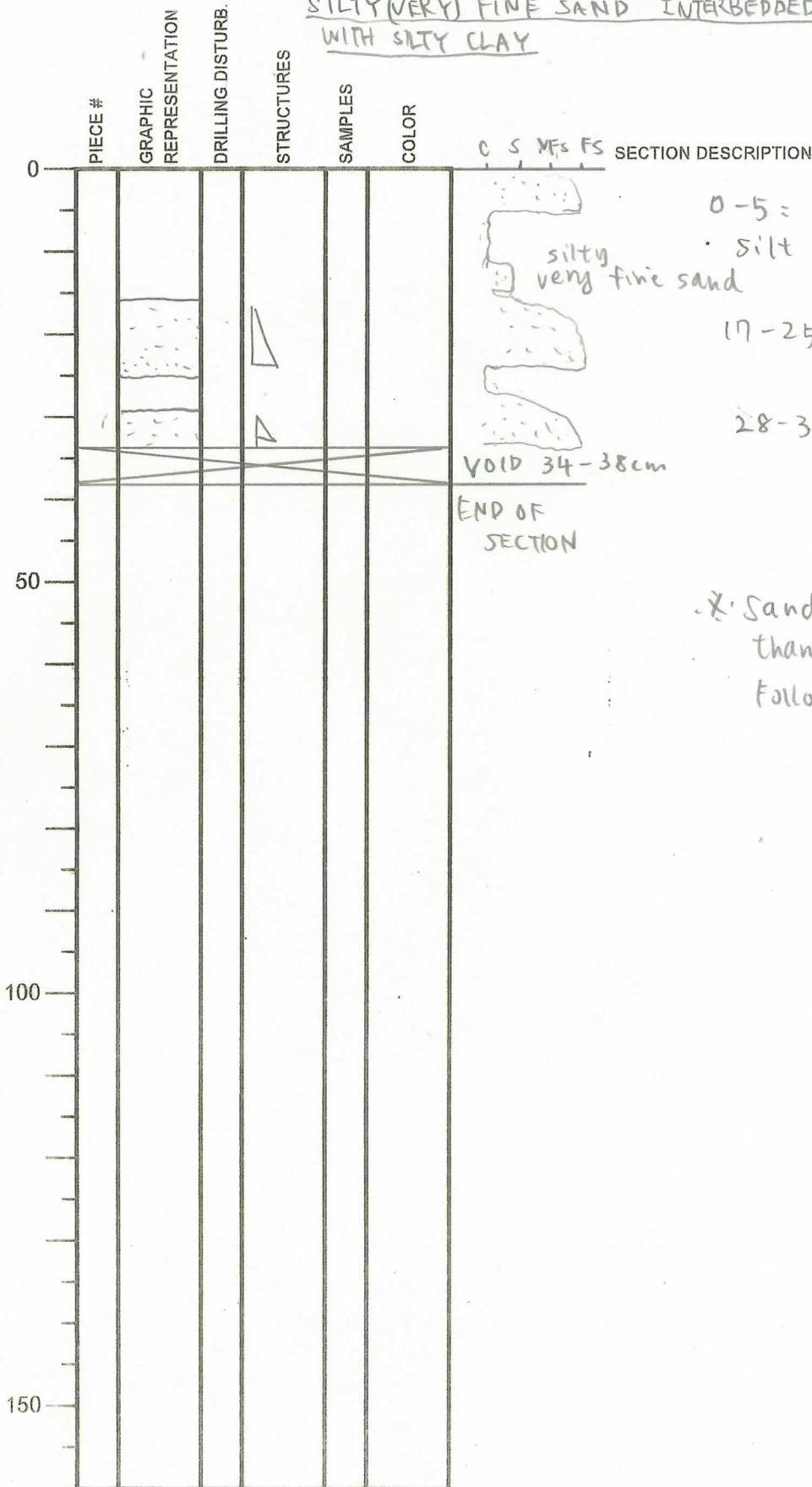
Visual Core Description

0-34cm = Dark olive gray

SILTY (VERY) FINE SAND INTERBEDDED WITH SILTY CLAY

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 12X
SECTION: 9A
TOP DEPTH (m CSF):

OBSERVER: M.H.



* Sand is more abundant than before --
Following the next core (13X)

International Ocean Discovery Program

Visual Core Description

0-16cm: Gray

VERY FINE SAND (INTERLAYERED WITH
THIN SILTY CLAY)

NO.

DATE 5/03/2019

EXP.: 358

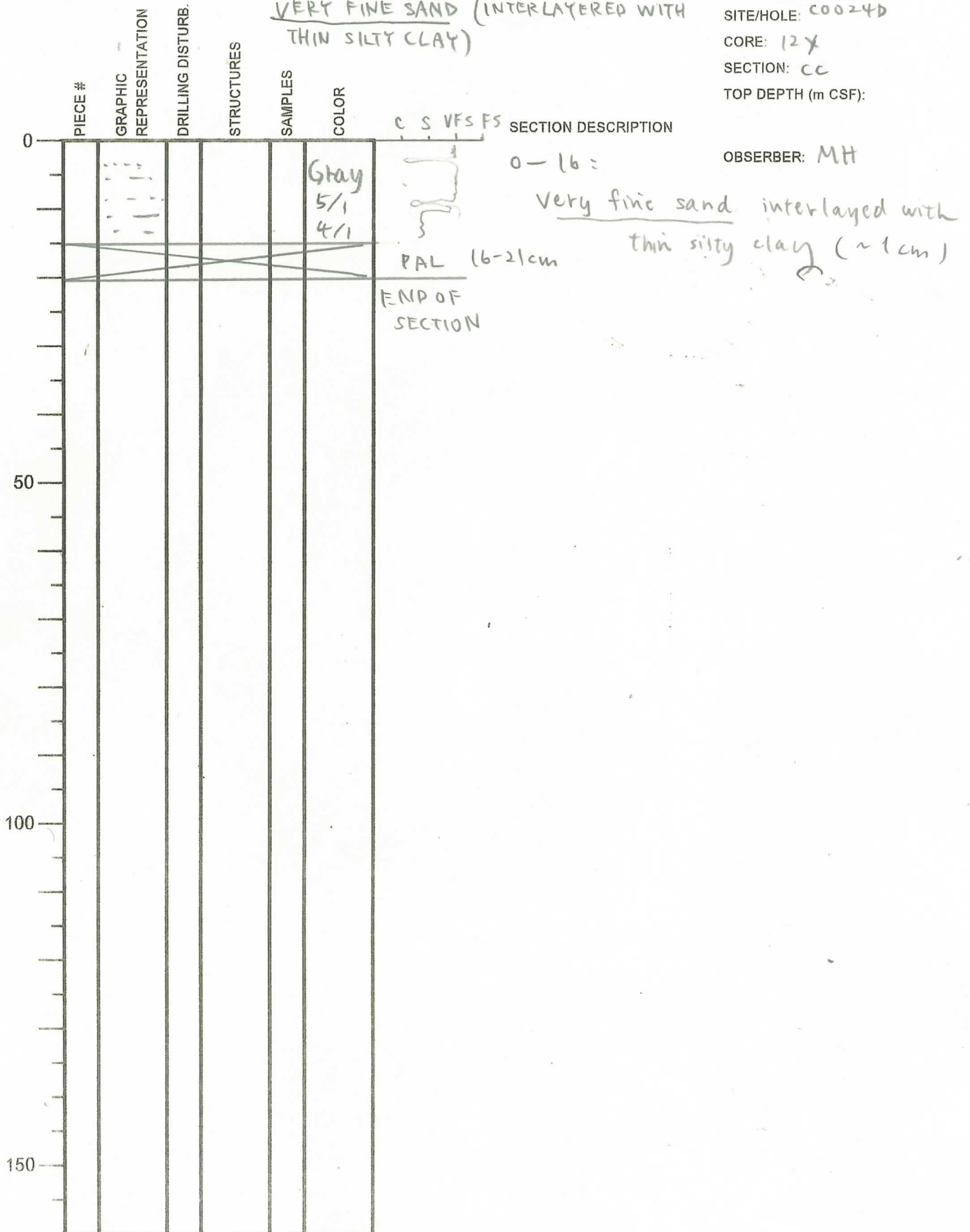
SITE/HOLE: C0024D

CORE: 12X

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: MH

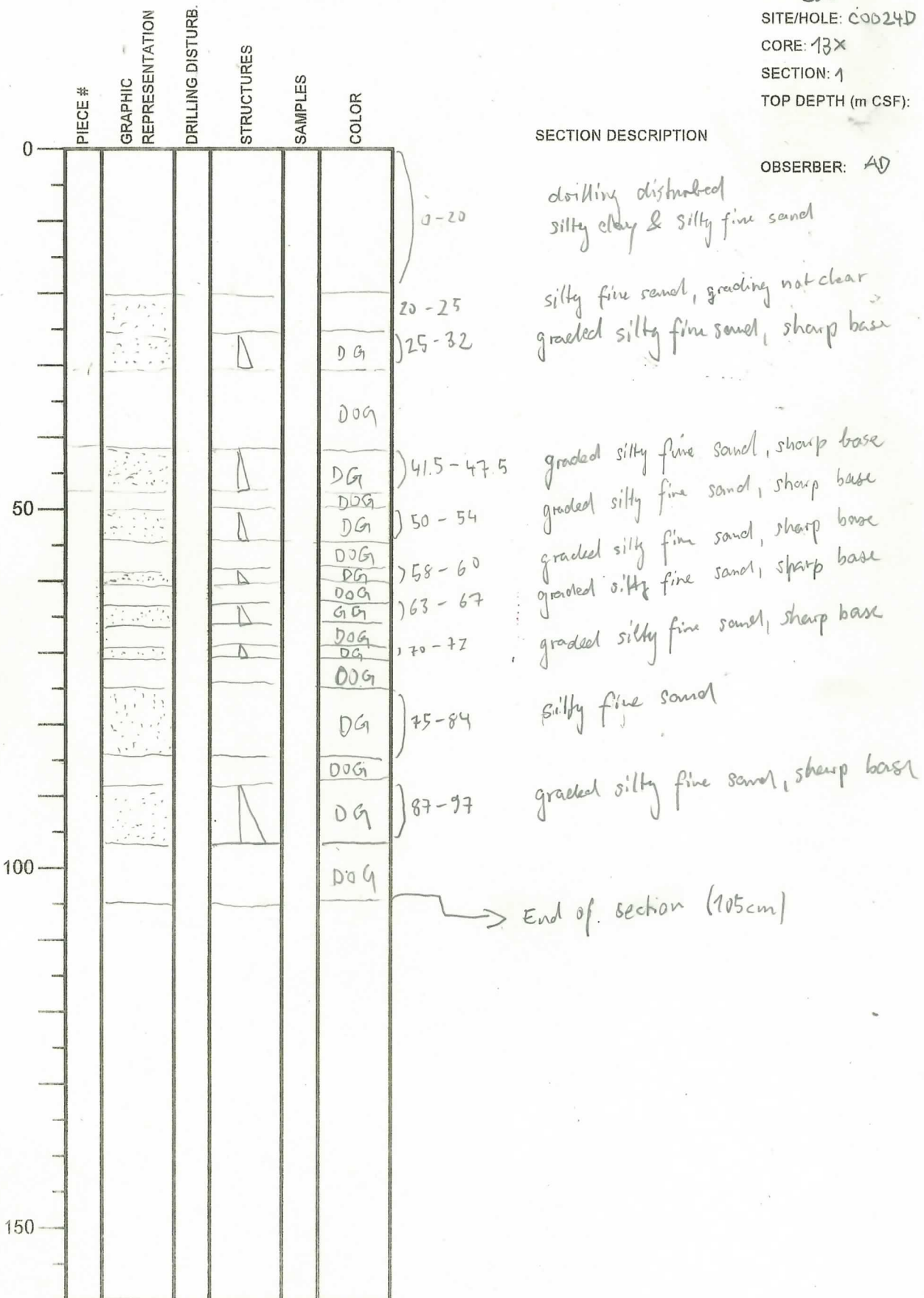


International Ocean Discovery Program

Visual Core Description

0-105cm: Interbedded silty clay and silty fine sand

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 13X
SECTION: 1
TOP DEPTH (m CSF):



DG = dark grey
DOG = dark olive grey

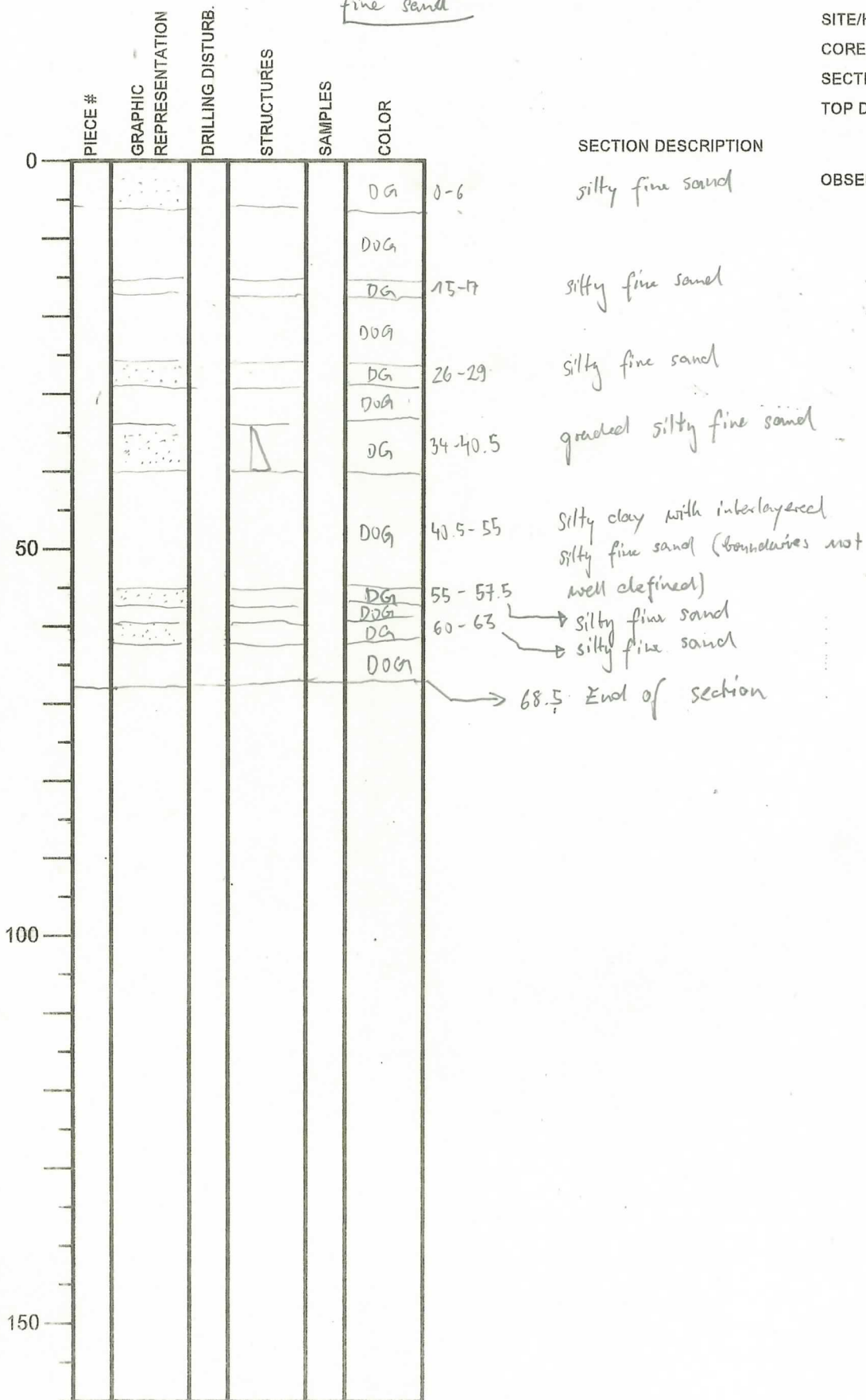
International Ocean Discovery Program

Visual Core Description

0-68.5: interbedded silty clay and silty fine sand

NO.
 DATE: 15/03/2019
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 13X
 SECTION: 2
 TOP DEPTH (m CSF):

OBSERVER: AD



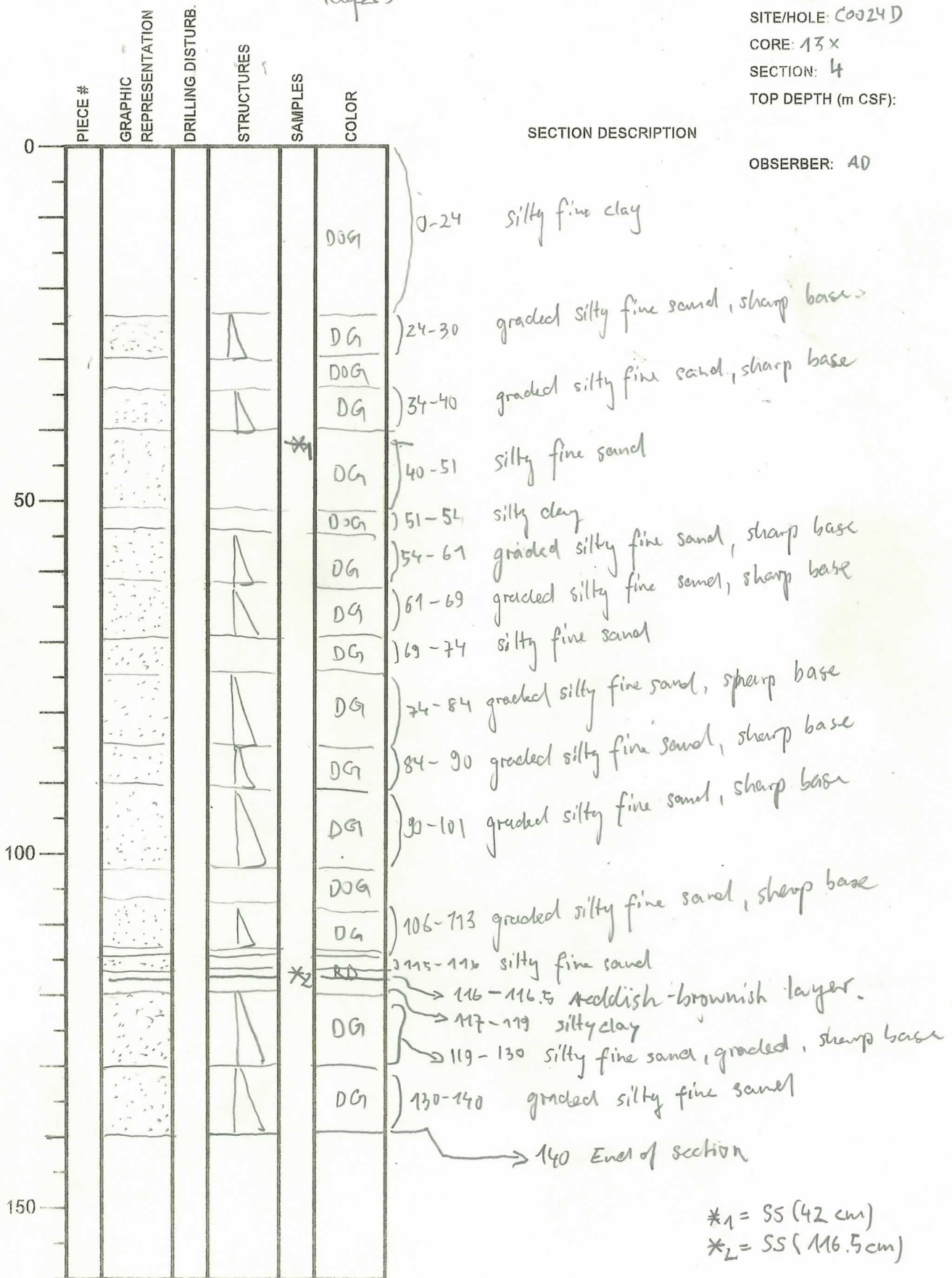
DG = dark grey
 DOG = dark olive grey

International Ocean Discovery Program

Visual Core Description

0-140: Sand rich sequence, few silty clay layers

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 13X
SECTION: 4
TOP DEPTH (m CSF):



OBSERVER: AD

DG = dark grey
DOG = dark olive grey

RB = reddish-brownish

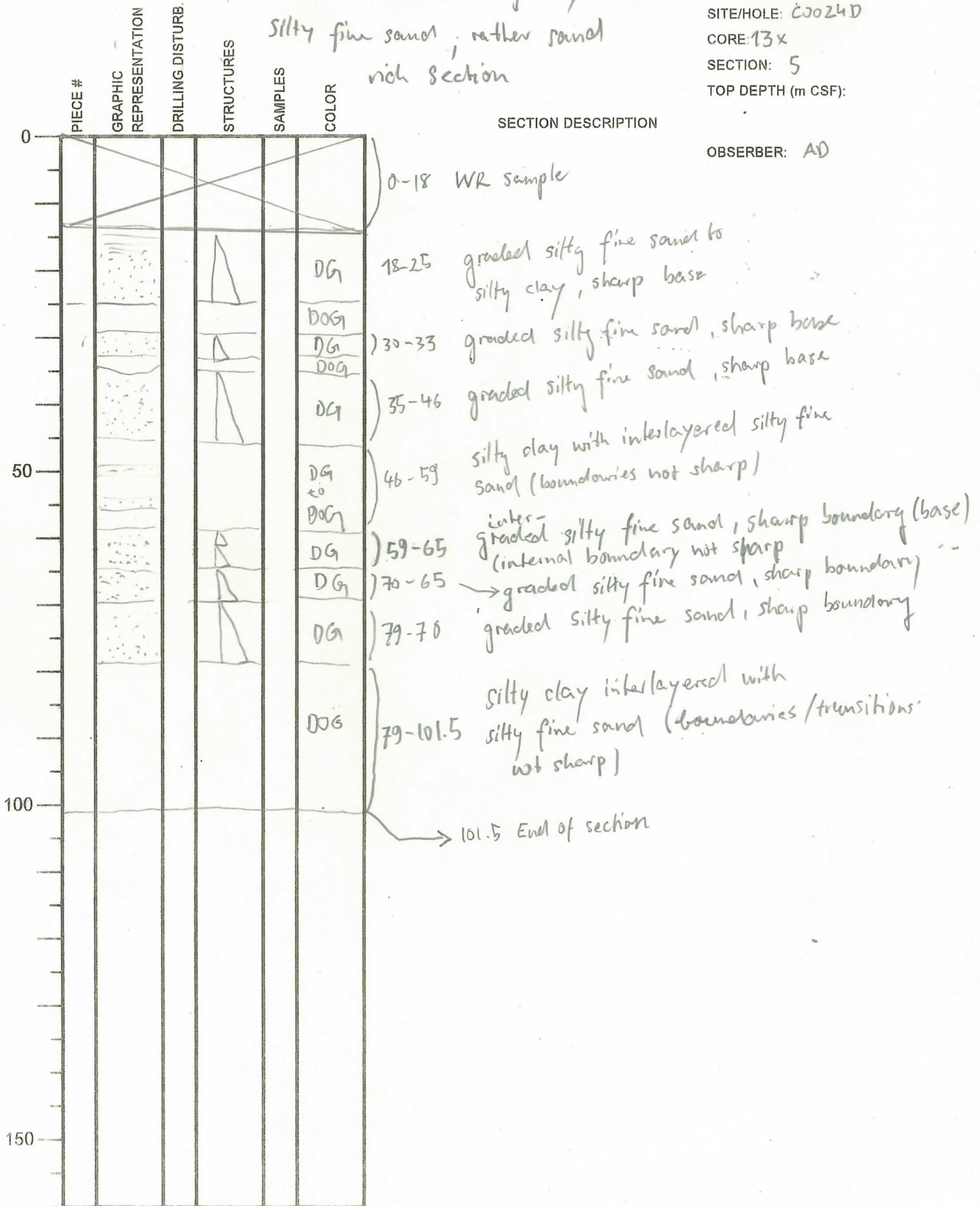
*1 = SS (42 cm)
*2 = SS (116.5 cm)

International Ocean Discovery Program Visual Core Description

0-101.5 cm: Interbedded silty clay and
silty fine sand; rather sand
rich section

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 13x
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: AD



DG = dark gray

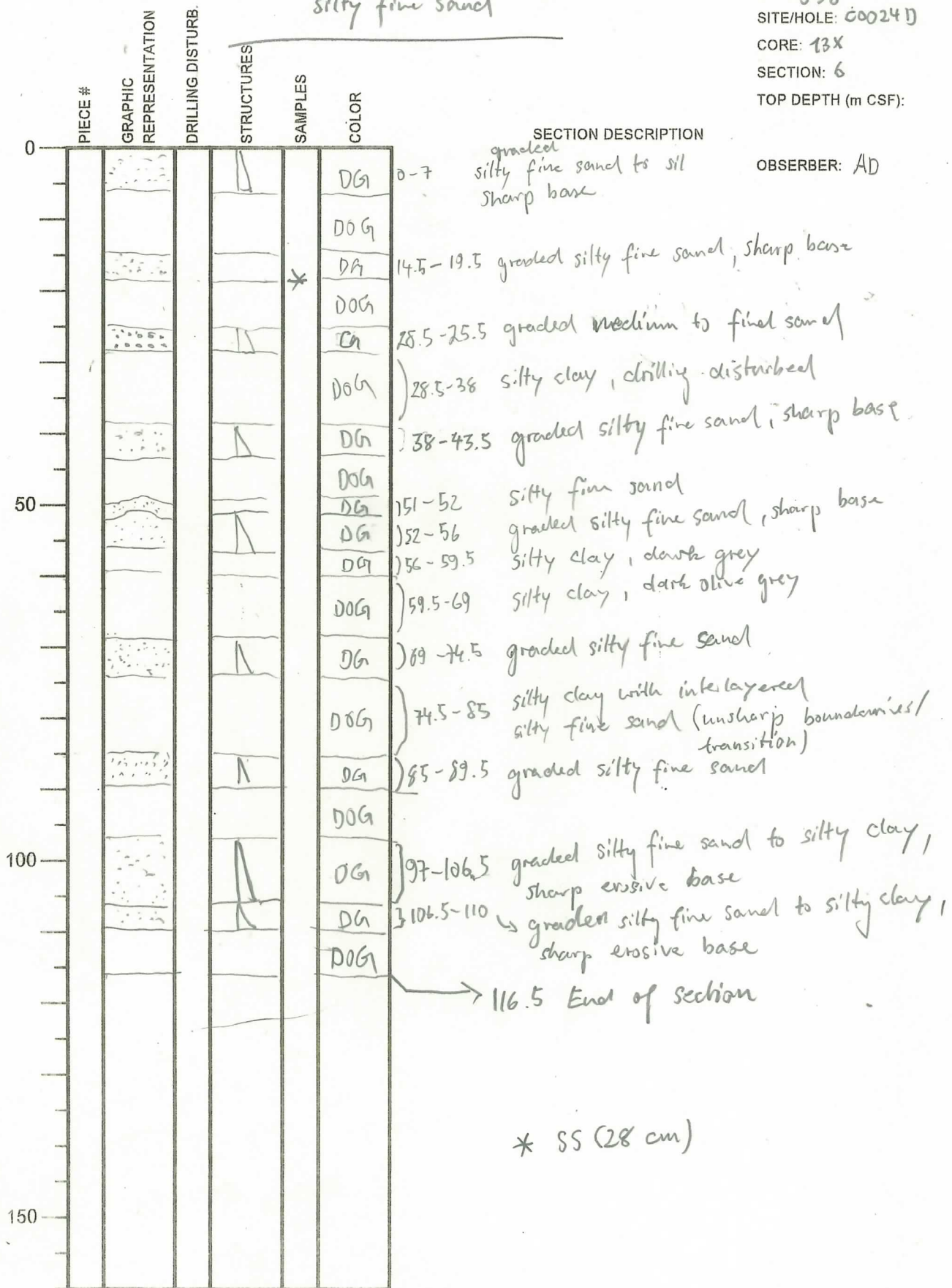
International Ocean Discovery Program

Visual Core Description

0-116.5 cm: Interbedded silty clay and silty fine sand

NO.
DATE: 15/07/2019
EXP.: 358
SITE/HOLE: C0024 D
CORE: 13X
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER: AD



DG = dark grey
DOG = dark olive grey

G = grey (medium grey)

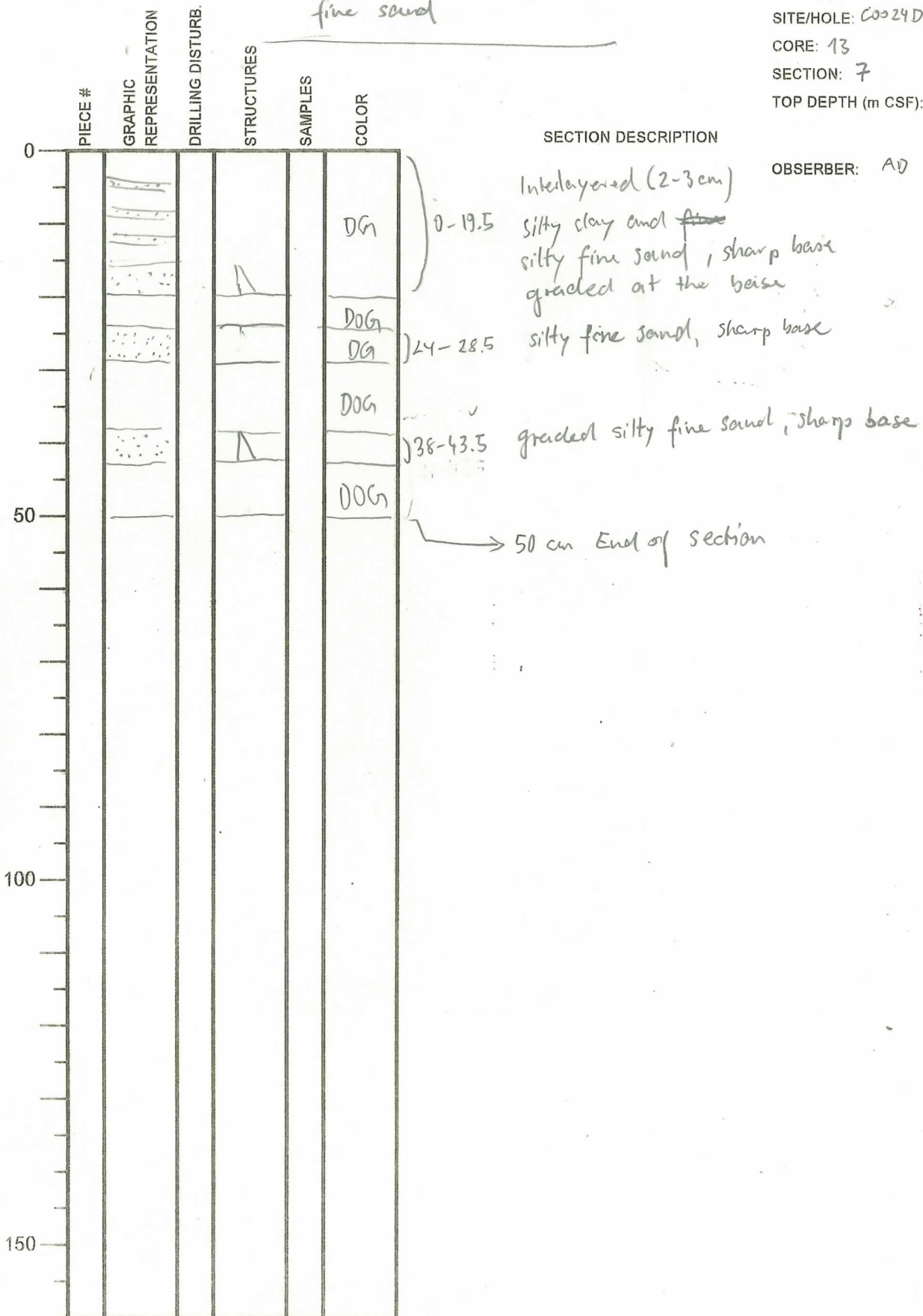
International Ocean Discovery Program

Visual Core Description

0-50cm: Interbedded silty clay and silty fine sand

NO.
DATE: 15/03/2019
EXP.: 358
SITE/HOLE: C0024D
CORE: 13
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER: AD



DG = dark grey
D0G = dark olive grey

International Ocean Discovery Program

Visual Core Description

0-54: NOT intact core section

NO.

DATE: 15/03/2019

EXP.: 358

SITE/HOLE: C0024D

CORE: 13x

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: AD

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50					
100					
150					

SECTION DESCRIPTION

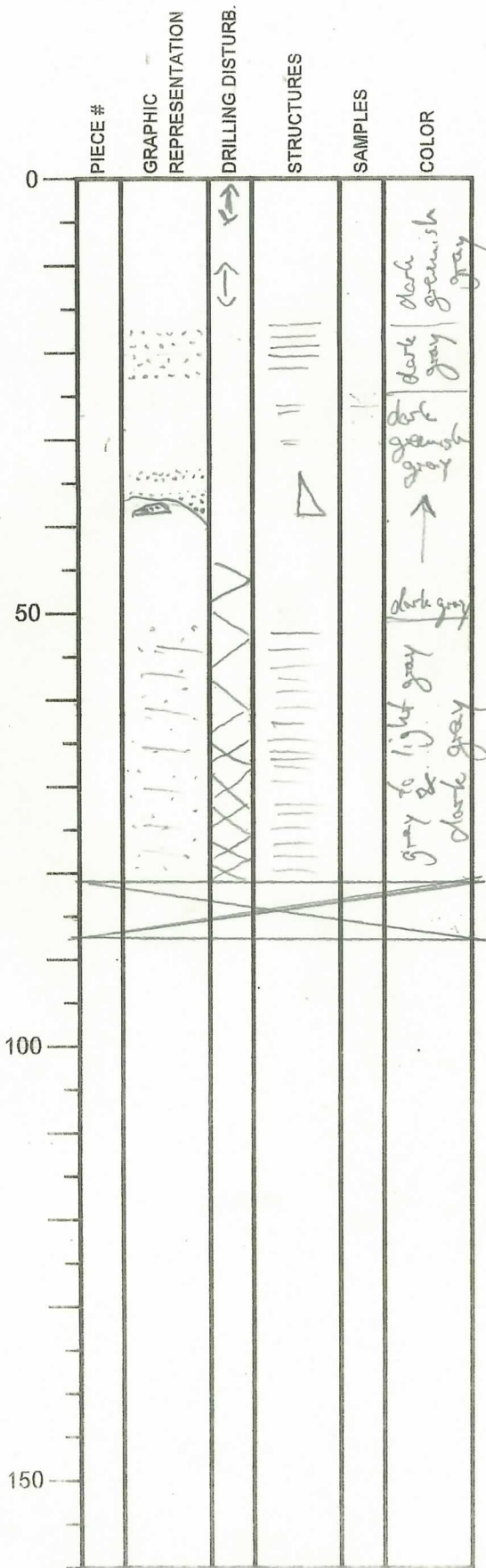
0-54
Very fine sand interlayered with silty clay
Strongly fractured due to drilling / coring

International Ocean Discovery Program

Visual Core Description

NO.
 DATE: 11/20/19-03-15
 EXP.: 358
 SITE/HOLE: C0024D
 CORE: 14
 SECTION: CC
 TOP DEPTH (m CSF):

OBSERVER: DJ



SECTION DESCRIPTION

0-18: ^{dark greenish gray} silty clay

18-23: ^{dark gray} silty fine sand, diffusely laminated

23-28: dark greenish gray silty clay

28-38: sandy-silty clay; diffusely laminated
 base up to medium sand, graded

38-50: sandy silty clay to sandy clayey silt

50-80: gray to light gray silty sand
 and dark gray silty clay, alternating
 (1-10 mm lamination/bedding)
 more, sandy towards bottom

82-87: WR sample