

Date	Observer
13/11/2024	Dargone & Jimmy

VISUAL CORE DESCRIPTIONS

Exp.	Site	Hole	Core	Section
405	C0019	H	1H	1

[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs	vs					
0																			- clay: (20 - 63 cm)	
10																			- clayey silt: (0 - 20 cm)	
20																			Ash layer (1 cm - thick) oxidised	
30																			x Silty pebbles	
40																			L (132.5 - 135.5)	
50																			L (138.5 - 139.5)	
60																			x Ash layers / laminae	
70																			L (m - 117)	
80																			L (113 - 118.5)	
90																			L highly deformed Normal fault.	
100																			x Big clast of silty-clay	
110																			L [60 - 82 cm].	
120																			x [0 - 15/10] : coring disturbance	
130																			x SUMMARY	
140																			(NTD) with interbedded tephra layers.	
150																			144.5 cm: end of section	

Date 13/11/24	Observer Dorgane & Jimmy
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site Coo/g	Hole 47	Core 14	Section 2
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Samples	Sedimentary structures	Biocurb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs	vs						
0																					
10																					
20																					
30																					
40																					
50																					
60																					
70																					
80																					
90																					
100																					
110																					
120																					
130																					
140																					
150																					

a Silty clay, highly deformed
 * Highly deformed interbedded tephra layers (laminae)
 * Highly deformed clayey silt patches on edges.

5Y
3/1

} in sampling.

SUMMARY

* N.D with interbedded tephra layers.

Date 13/11/24	Observer Dagane & Jimmy
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core AH	Section CC
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs					
0																		Highly disturbed/distorted clay with ash patch 16cm 21.5cm	
10																			
20																			
30																			
40																			
50																			
60																			
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			

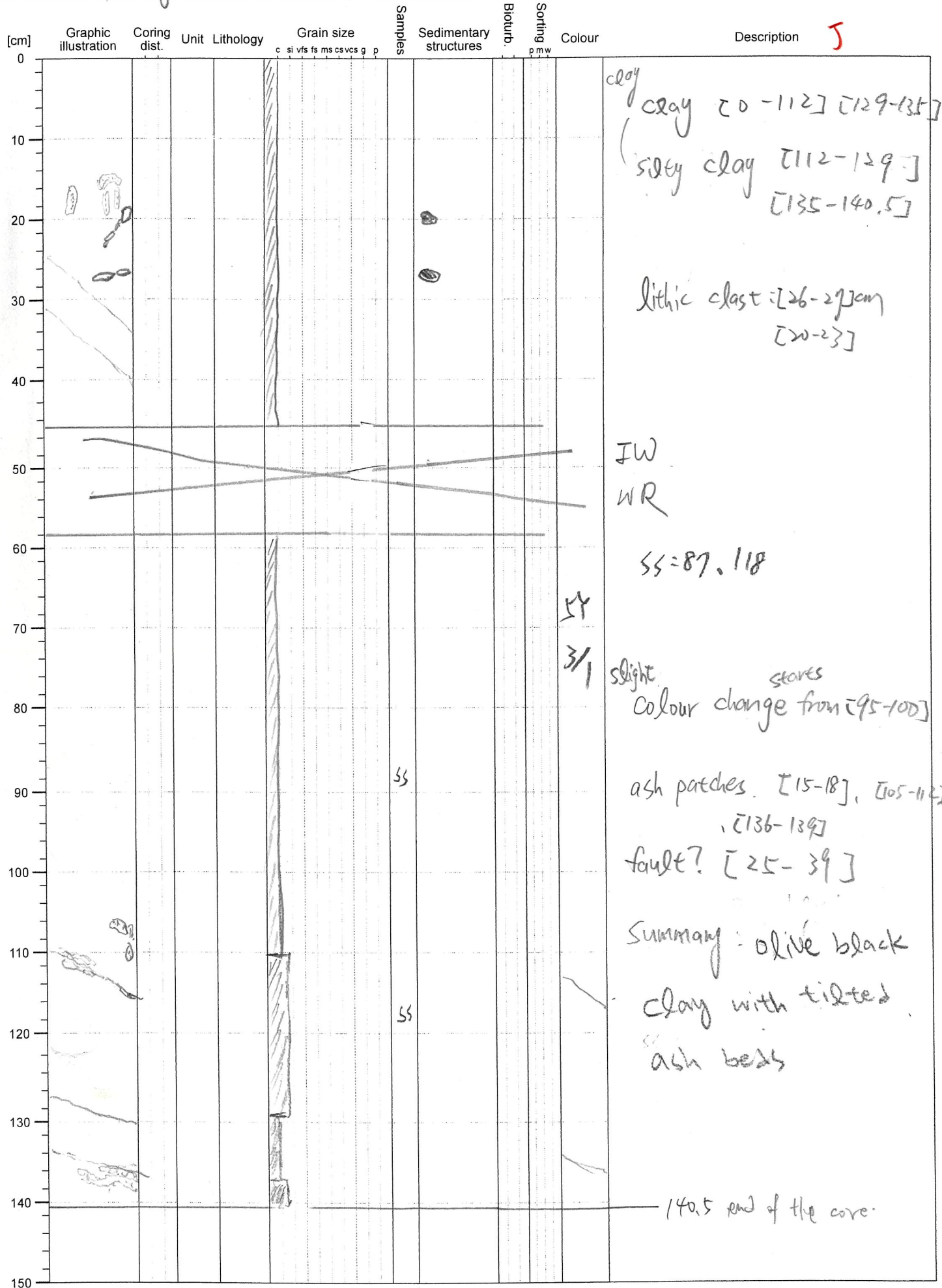
Exp.	Site	Hole	Core	Section
405	00019	M	24	1

[illegible]

Date	Observer
13/11/2024	Yuchan

VISUAL CORE DESCRIPTIONS

Exp.	Site	Hole	Core	Section
405	C0019	01	24	2



Date 13/11/2024	Observer Yu Chup
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core Y-H	Section 3
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Samples	Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vs	cs	vs	cs						
0																				
10																				
20																				
30																				
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

5% Silty clay = [0-30] [38-139]

3% clay = [30-38]

Ash patches: [12-18] [30-32]

[37-46] [52-53]

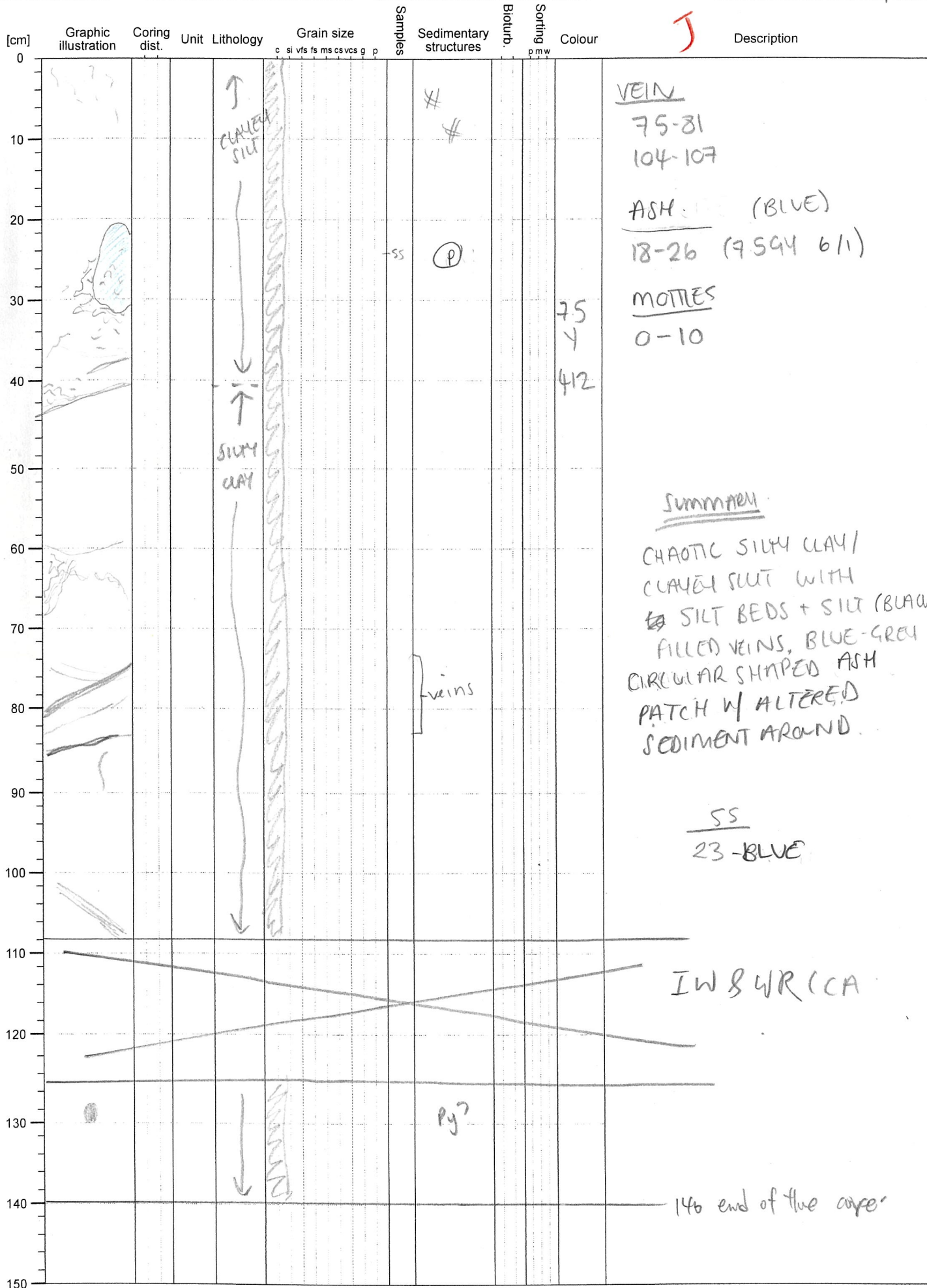
[131-134] → coarser

~~CLAY: 102-110~~

Summary: silty clay
with tilted ash beds

SS = 10%

139 cm end of the core.



Date 13/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 2H	Section 5
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vs	g	p						
0																			
10																			
20																			
30																			
40																			
50																			
60																			
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			

MOTTLES
56-140
0-15

VEINS?
77-140

SUMMARY
SILTY CLAY WITH
SUB-HORIZONTAL DARK
GREY VEINS/SILT BEDS
WITH 7CM THICK
UNIT OF ANGULAR
CALCITE CONCRETION.
(FIZZES WITH HCL)

SS
47 - clasts - CALCITE

140 END

MOTTLES

56-140

0-15

VEINS?

77-140

SUMMARY

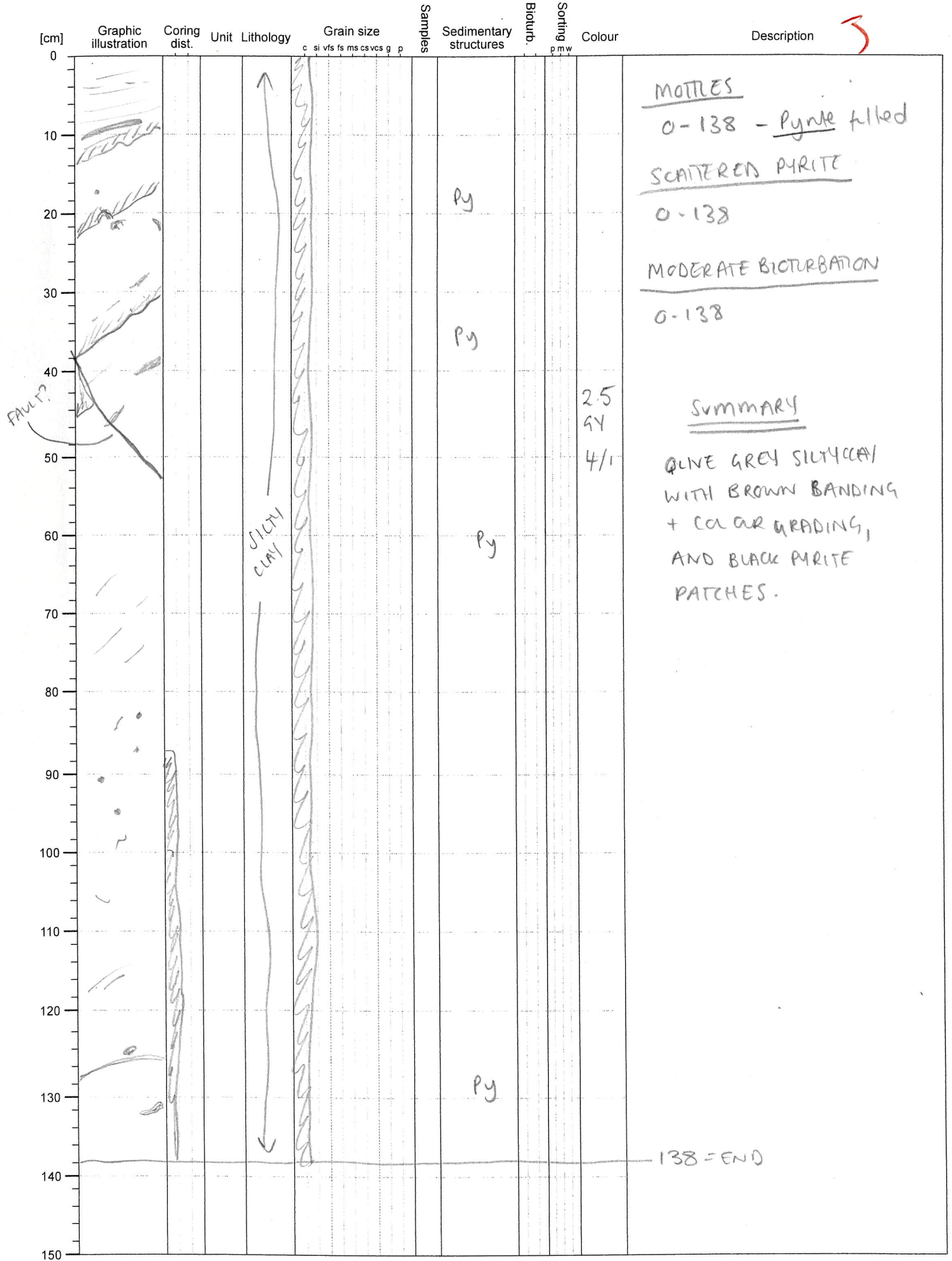
SILTY CLAY WITH
SUB-HORIZONTAL DARK
GREY VEINS/SILT BEDS
WITH 7cm THICK
UNIT OF ANGULAR
CALCITE CONCRETION.
(FIZZES WITH HCL)

SS

47 - clasts - CALCITE

140 END

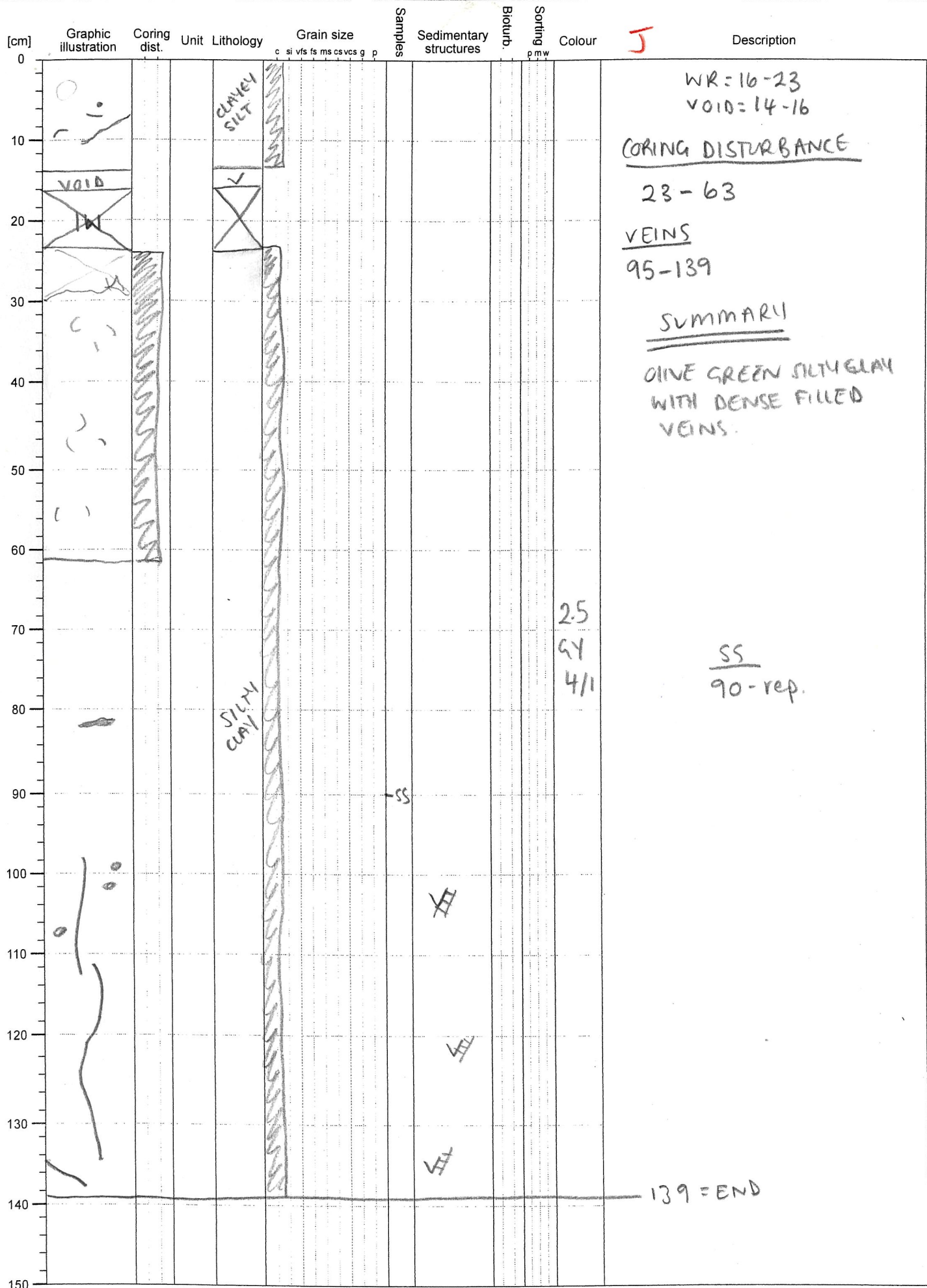
Date 13/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 2H	Section 7
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Date 21/3/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 2H	Section CC
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vcs	g	p							
0																				
10				CLAYEY SILT													25 5/1 4/1	WR = 19-24 LIGHT BIOTURBATION 0-24		
20																		25 = END.		
30																		SUMMARY OLIVE GREY CLAYEY SILT.		
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

Date 13/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole BM	Core 34	Section 1
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WR: 16-23
VOID: 14-16
CORING DISTURBANCE

23-63

VEINS
95-139

SUMMARY
OLIVE GREEN SILTY CLAY
WITH DENSE FILLED
VEINS.

SS
90-rep.

[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Samples	Sedimentary structures	Bioturb.	Sorting	Colour	Description
0					c	si	vs	fs	ms	cs	vs	g	p								
10				CHALKY SILT																	
20																					
30																					
40																					
50																					
60				SILTY CLAY																	
70																					
80																					
90																					
100																					
110				CAL																	
120				SILTY CLAY																	
130																					
140																					
150																					

BIOTURBATION

0-90

120-138

CALCITE

112-118

MOTTLES (BLACK)

0-138

SUMMARY

OLIVE GRAY SILTY CLAY WITH BROWN GRADING UP BANDS.

6 CM THICK UNIT OF ANGULAR CALCITE PIECES

SS

115-CALCITE?

138=END

25

64

4/1

BIOTURBATION

0-90

120-138

CALCITE

112-118

MOTTLES (BLACK)

0-138

SUMMARY

OLIVE GRAY SILTY CLAY WITH BROWN GRADING UP BANDS. 6 cm THICK UNIT OF ANGULAR CALCITE PIECES

SS

115 - CALCITE?

138 = END

Date 13/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 3H	Section 4
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size c si vls fs ms cs vcs g p	Samples	Sedimentary structures	Bioturb.	Sorting p mw	Colour	Description
0											
10											
20											
30											
40											
50											
60											
70											
80											
90											
100											
110											
120											
130											
140											
150											

VEINS

30

59-73

FAULT?

93-98

30-32?

BIOTURBATION (MODERATE)

0-139

SUMMARY:

OLIVE GREY SILTY CLAY
WITH SEQUENCES OF
BROWN GRADE-UP
SILT. SEDIMENT
FILLED VEINS +
POSSIBLE FAULTS W
OFFSETS

SS - BROWN REPRESENTATIVE

139.5 = END

Fault (ct) 16-19 90 19 180 24

fault (ct) 22-24 90 21 180 18

fault (ct) 30-33 90 27 180 20

wavy Bedding (ct) 50-54 270 19 180 38

Reverse (ct) Thrust fault 52-55 90 70 180 58

Reverse 134-139 90 47 180 44

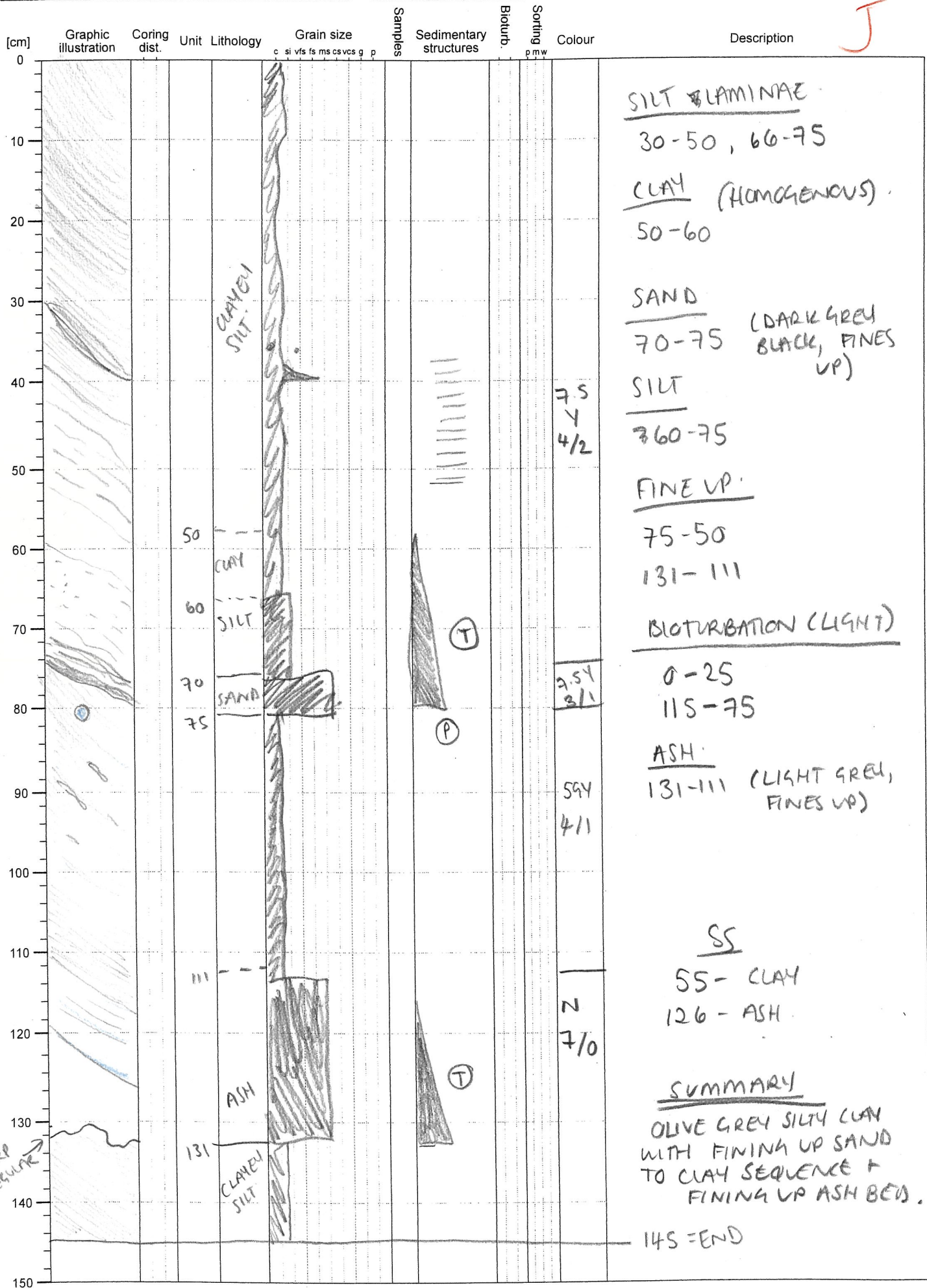
planar Bedding (v) 93.5-99.5 270 32 180 23

N

T

60°

30°



Date 13/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 79	Hole M	Core 3	Section CC
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bloturb.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vs	cs	vs	cs					
0																			
10																			
20	FLOW IN?			↑ SILTY CLAY															
30																			
40																			
50				↓															
60																			
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			

DARK GREY SILTY CLAY MIXED BY CORING (GASSY).

X X X

25
5
10
Y
3/1

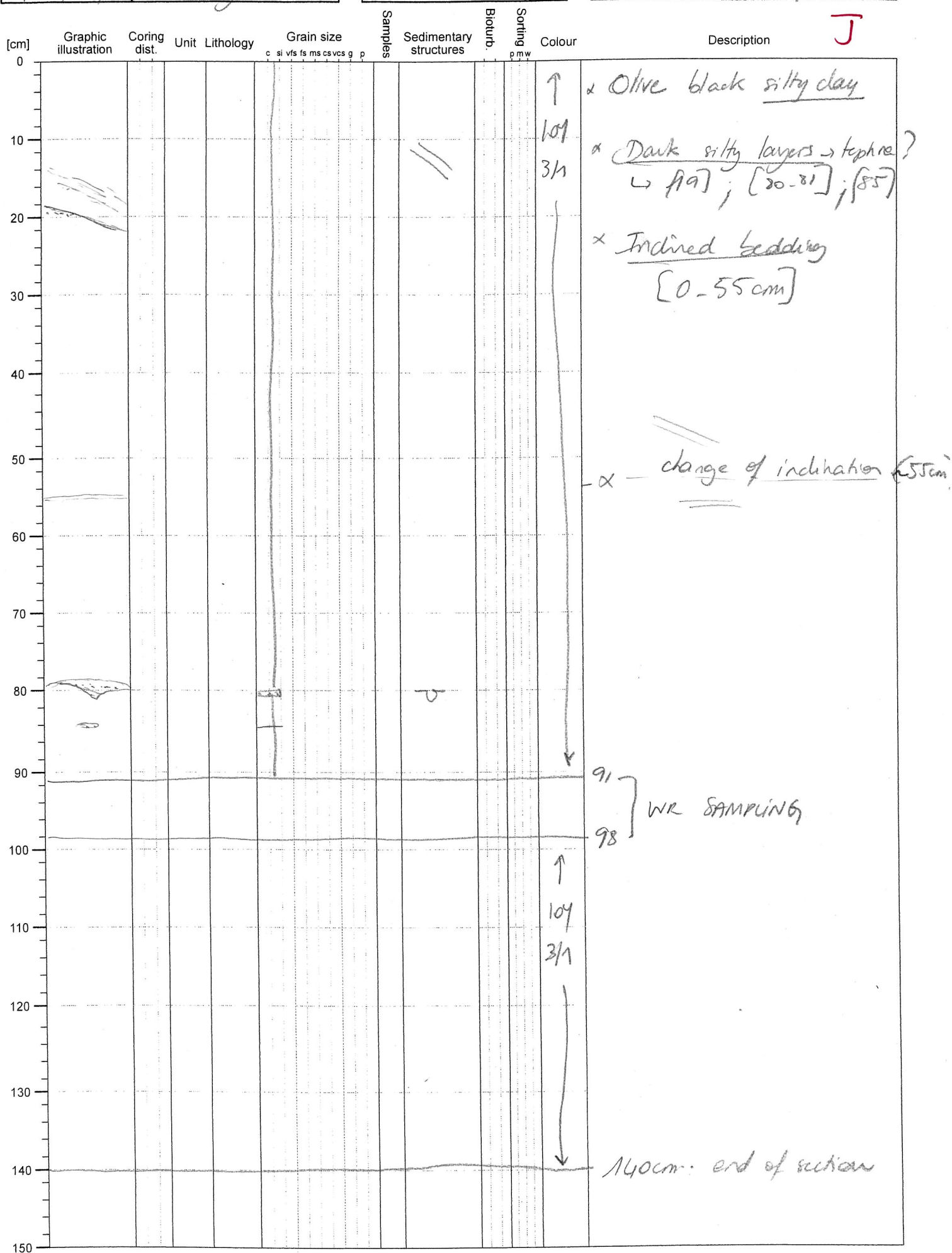
50 = END.

[illegible]

Exp.	Site	Hole	Core	Section
405	C0019	M	4	2

[illegible]

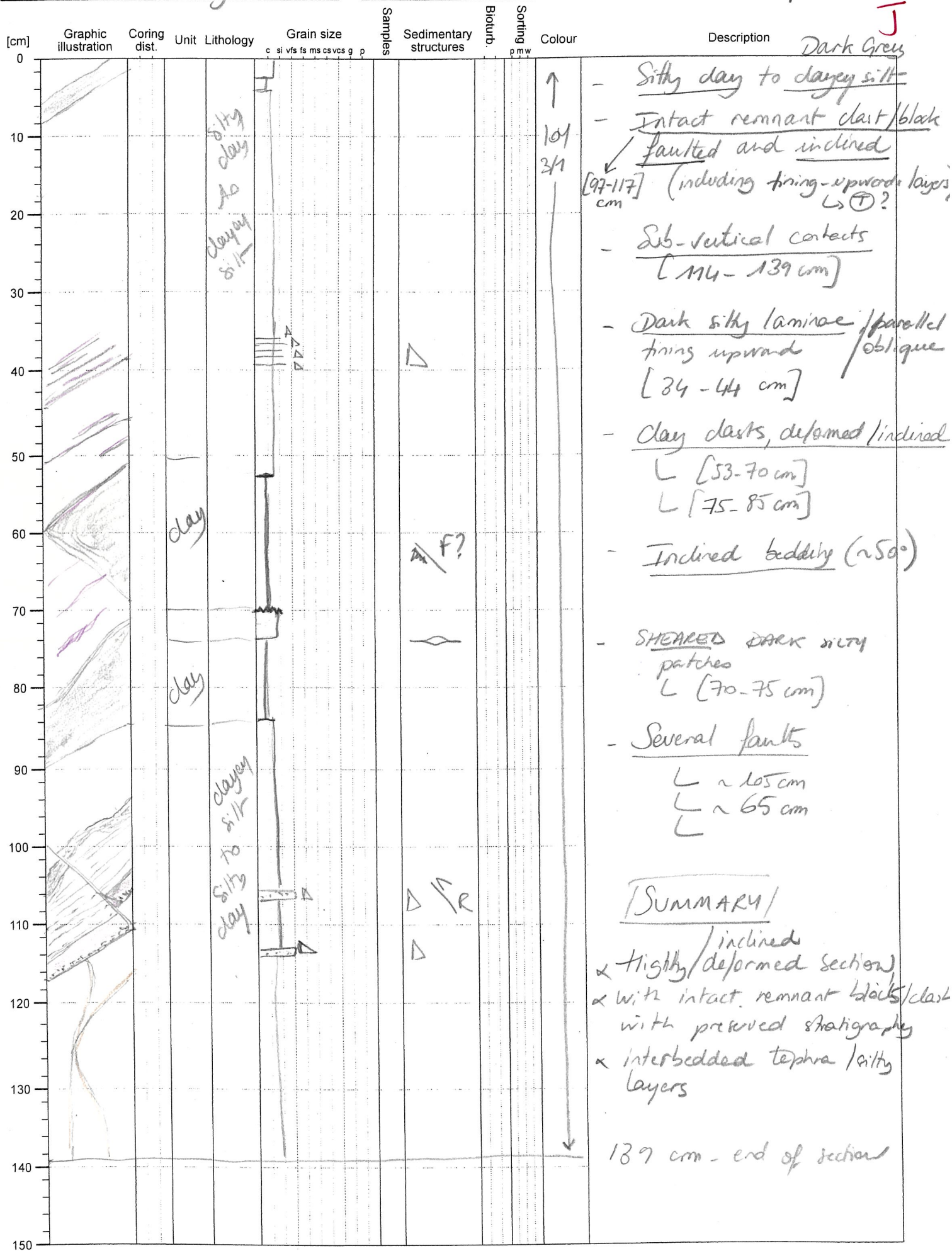
Exp.	Site	Hole	Core	Section
405	C0019	M	4	3

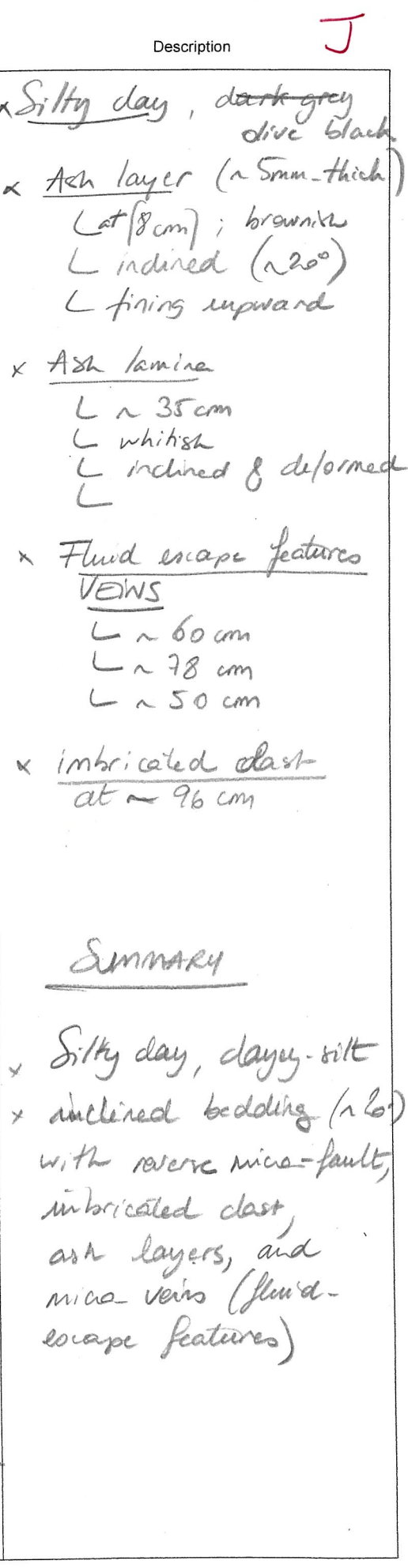


Date 14/11/24	Observer Morgane
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core E4H	Section 5
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Section
7

Date 14/11/24	Observer Morgane
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core 4H	Section 8
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Sedimentary structures	Bloturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs	vs					
0																				
10				silty clay															x Olive black silty clay	
20																			x inclined, silty / fining upward dark laminae	
30																			↳ [3-10cm]	
40																			x Mico-fault (normal: ~ 5cm)	
50																			x Sub-vertical feature: (25-45cm)	
60																			- ss (28cm)	
70																			fluid escape feature?	
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																			45cm: end of section	

Date 14/11/24	Observer Morgane
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C009	Hole M	Core 041	Section CC
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs					
0																			
10																			
20																			
30																			
40																			
50																			
60																			
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			

x Silty-clay
 x Ash layers (laminar)
 L [~5cm]
 L [~7.5cm]
 x Dark clasts scattered (organic matter)
 20,5 cm:
 25,5 cm: end of section

Date	Observer
12/11/2024	Yn Chun

VISUAL CORE DESCRIPTIONS

Exp.	Site	Hole	Core	Section
405	C50/9	M	5H	2

[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vi	fs	ms	cs	vs	g	p							
0																				
10																				
20																				
30																				
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

ash beds: [2-7], [32-38]
 ↓ ↓
 3-4 34-35

ash patches: [28.5-33]
 mud patches: [38.5-]

silty clay: [0-3], [4-34]
 [35-97] [121-123]

sand: [97-121]
 scattered
 Pyrite: [43-47], [98-82]

Summary: silty clay
 with thick turbidite
 sequences

123cm end of section

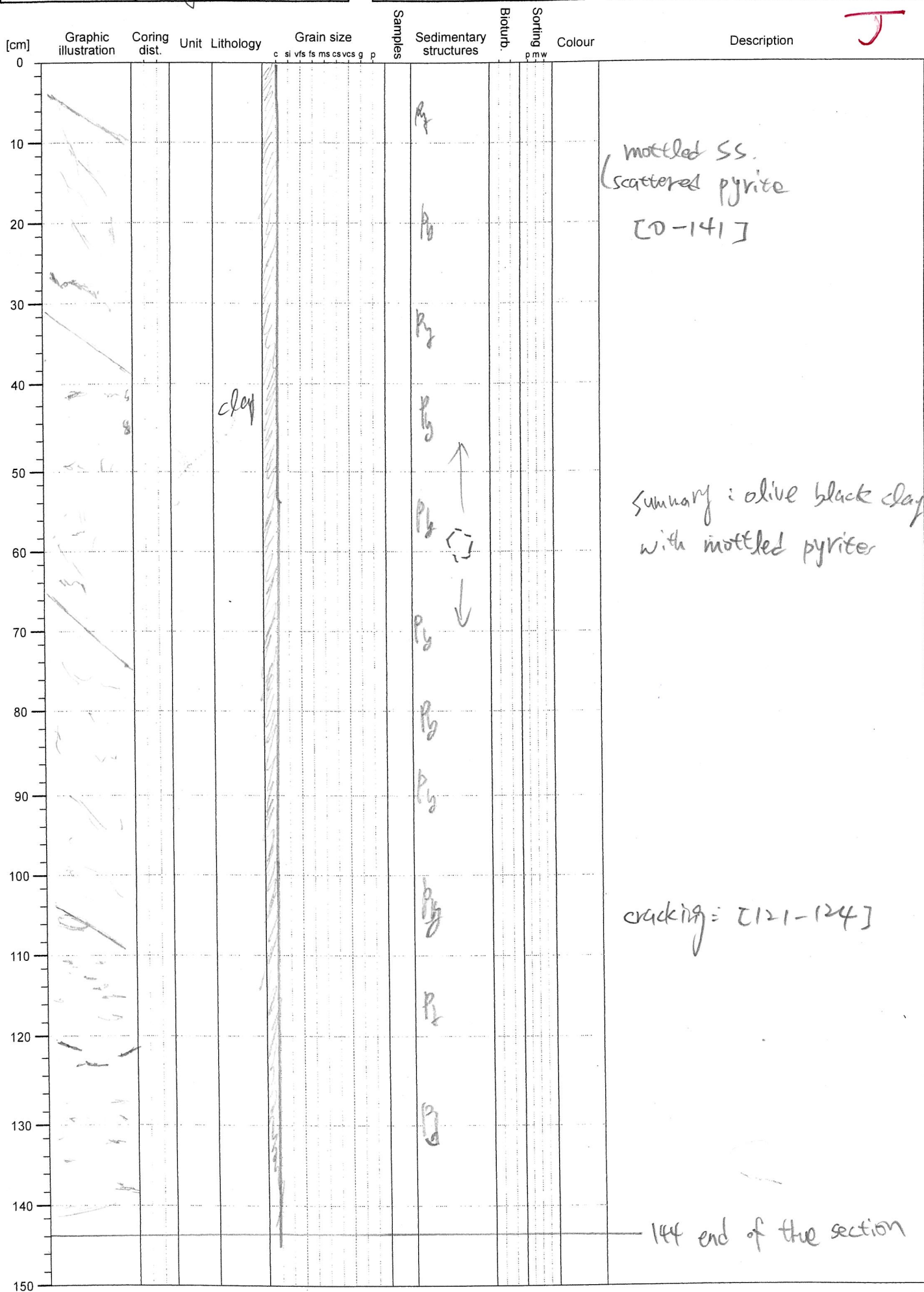
Date 14/11/2024	Observer Yu Chun
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core 5H	Section 3
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vis	fs	ms	cs	vs	cs	vs	cs					
0																		WR.	
10																		16.5 cm	
20																		mottles scattered pyrite	
30																		[0-145.5]	
40																		clay [0-145.5]	
50																		ss=70	
60																		Summary: olive black clay.	
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																		145.5 end of the section	

Date 14/11/2024	Observer Yu Chun	VISUAL CORE DESCRIPTIONS		Exp. 405	Site C0019	Hole M	Core 5H	Section 5
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Date 14/11/2024	Observer YuChun/CP	VISUAL CORE DESCRIPTIONS	Exp. 405	Site C0019	Hole M	Core 5H	Section 7
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size c si vls fs ms cs vcs g p	Samples	Sedimentary structures	Bedform	Sorting p mw	Colour	Description
0											
10							py				
20							py				
30				SILTY CLAY			py			10Y 3/1	
40				CLAYEY SILT			py				
50				SILT						5Y 5/2	
60				CLAYEY SILT			py			10Y 3/1	
70				SILT			py				
80				SILT						5Y 5/2	
90	SAND			SAND			py			10Y 3/1	
100							py			5Y 5/2	
110				SAND			py			10Y 3/1	
120											
130							py				
140											
150											

FINE UP

50-30 (SILT TO SILTY CLAY)
90-94 (THIN SAND TO SILT)
72-80
108-116

SILT

48-50 (YELLOW GREY) 5Y 5/2
78-81

Sand [92-94] [114-116]

patches [83-85]

Summary: silty clay
with four turbidite
sequences

141 end of section

Exp. 405	Site C0019	Hole M	Core 5H	Section P
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[illegible]

Exp. 405	Site 0019	Hole M	Core 6H	Section 1
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size c si vls fs ms cs vcs g p	Samples	Sedimentary structures	Bioturb.	Sorting p mw	Colour	Description
0											
10											
20											
30											
40											
50											
60											
70											
80											
90											
100											
110											
120											
130											
140											
150											

J

[cm]

Graphic illustration

Coring dist.

Unit

Lithology

Grain size

Samples

Sedimentary structures

Bioturb.

Sorting

Colour

Description

0

10

20

30

40

50

60

70

80

90

100

110

120

130

140

150

Sand

silt

clay

VOID

silt

clay

∞

1st

3/2

2nd

3/1

[0-36] Sand

[36-48] [52-61] silt

[48-52] [61-82] clay.

ash patches: [63-83]

Summary:

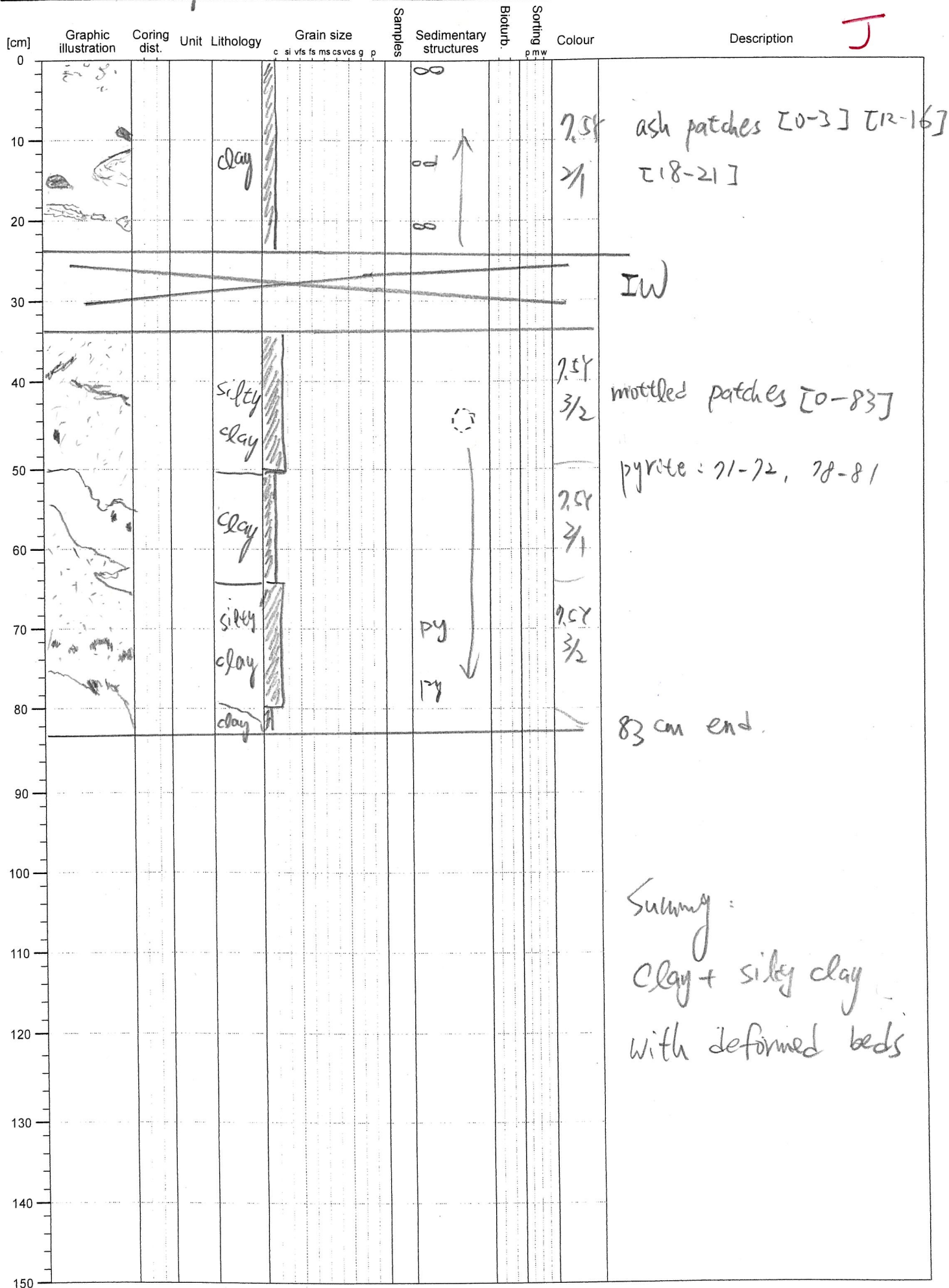
fragmented-coarse

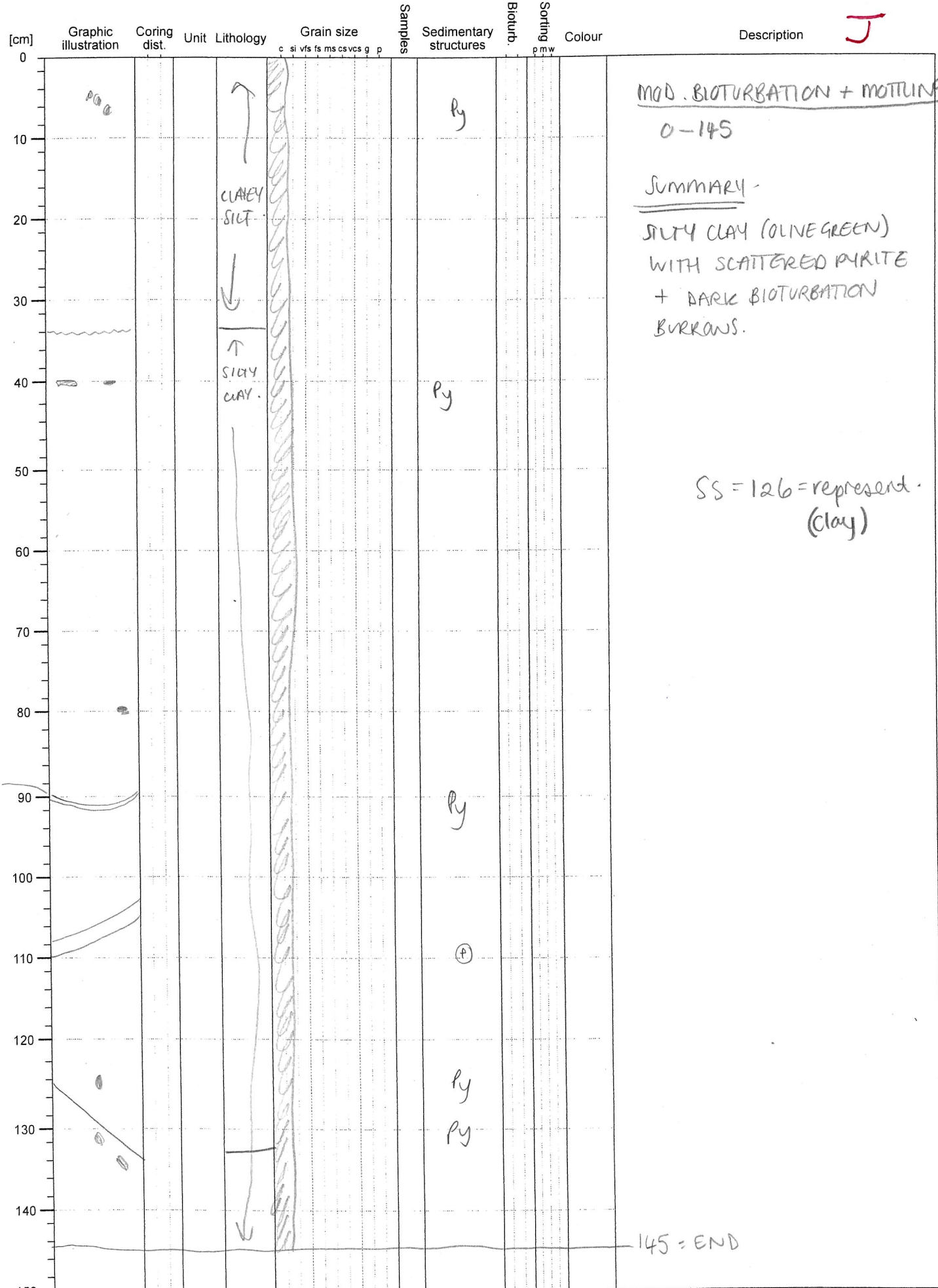
sediments on the

top of the section

82 = END .

Date 14/11/2014	Observer Yue Chen	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 0019	Hole M	Core 64	Section Z
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Section
3

Date 14/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 6H	Section 5
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bloturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	g	p						
0																			
10				CLAYEY SILT											*				HEAVY BIOTURBATION
20															S				0-127
30				SILTY CLAY											S				PYRITE
40				CLAYEY SILT											S				5
50				CLAYEY SILT											PPP				117
60															#				123
70															S				BLACK MOTTLES
80				CLAYEY SILT											S				15-36
90															Pg				62-87
100															#S				97-127
110															Pg				
120															Pg				
130															S				
140																			
150																			

7.5
4
4/1

SUMMARY
OLIVE GREY SILTY CLAY.
WITH DARK GREY
MOTTLES AND SCATTERED
PYRITE.

WR =
127 mm - 139

139 = END

HEAVY BIOTURBATION

0-127

PYRITE

5

117

123

BLACK MOTTLES

15-36

62-87

97-127

SUMMARY

OLIVE GREY SILTY CLAY.
WITH DARK GREY
MOTTLES AND SCATTERED
PYRITE.

WR =
127 NUMBER - 139

139 = END

Date 14/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 64	Section 6
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs					
0																			
10																			
20																			
30																			
40																			
50																			
60																			
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			

WR = 0-10 = 1W
10-16 = MW

BIOTURBATION + MOTTLING

50-74

SCATTERED PYRITE

35-65

SUMMARY

ALTERNATING SILTY CLAY
AND CLAYEY SILT WITH
SCATTERED PYRITE
SHARP CONTACTS

SS = 80 = represent, silt

86 = END

Date 14/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 6H	Section CC
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs					
0																			
10	VEN'S																	WR = PAL.	
20																		<u>CORING DISTURBANCE</u>	
30																		0-7	
40																		18-22	
50																		<u>SUMMARY:</u>	
60																		DISTURBED GREY SILTY	
70																		CLAY WITH SCATTERED	
80																		PIRITE.	
90																			
100																			
110																			
120																			
130																			
140																			
150																			

51.5 = END

7.5
Y
4/1

CLAYEY
SILT

PAL

Py

Py

Py

Date 14/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 7H	Section 1
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	g	p							
0																				
10																				
20																				
30																				
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

BIOTURBATION +

35-108

BLACK PYRITE PATCHES.

0-108

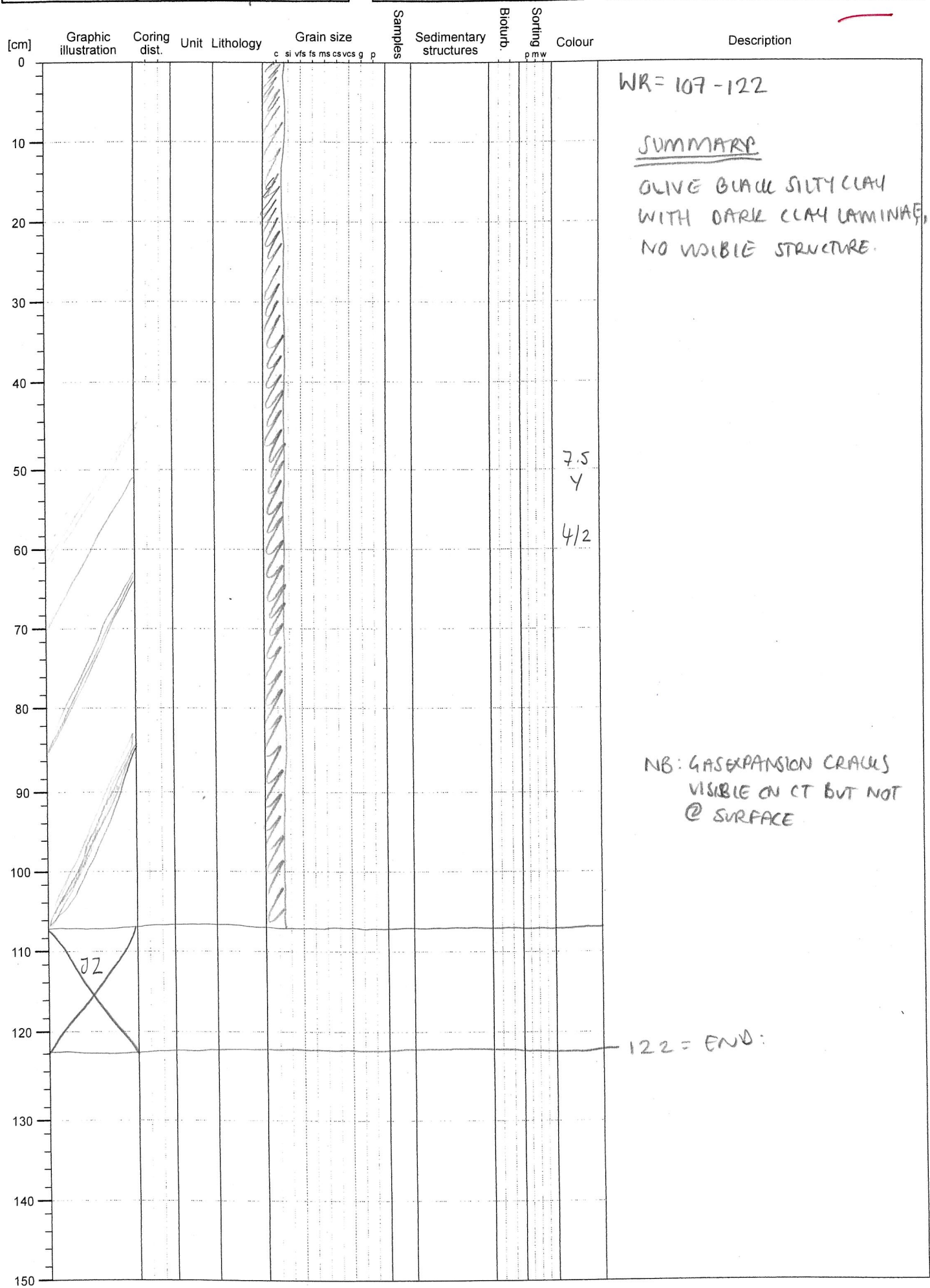
SUMMARY

GREY CLAYEY SILT WITH
BLACK PATCHES OF PYRITE,
BIOTURBATED.

10
4
4/1

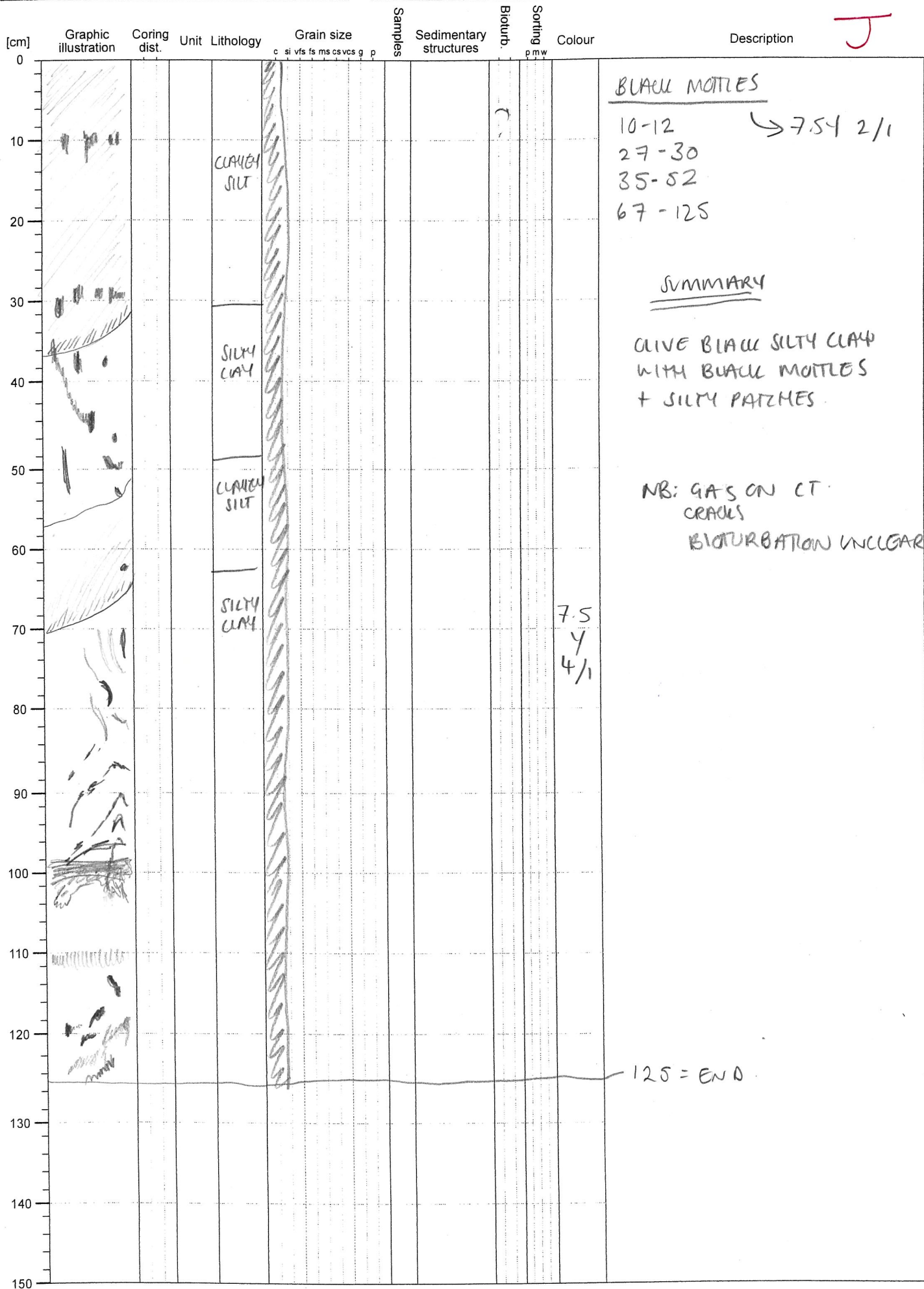
108=END

[illegible]



SE

Exp. 405	Site 19	Hole M	Core 74	Section 5
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vcs	g	p						
0																			
10																			BLAM MOTTING.
20																			0-123.5
30																			<u>SUMMARY.</u>
40																			GREY SILTY CLAY
50																			WITH DARK GREY/
60																			BLACK MOTTING.
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			

BLAM MOTTING.

0-123.5

SUMMARY.

GREY SILTY CLAY

WITH DARK GREY/

BLACK MOTTING.

7.54

4/1

WB (GAS CRACKS IN CT)

SS = rep. clay

123.5 = END

Date 14/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 7H	Section 7
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size c si vls fs ms cs vcs g p	Samples	Sedimentary structures	Bedform	Sorting p m w	Colour	Description
0											
10											
20											
30											
40											
50											
60											
70											
80											
90											
100											
110											
120											
130											
140											
150											

COLOR BANDING

40-60.

BLACK MOTTLES

0-38

61-122

SUMMARY

OLIVE BLACK SILTY CLAY
WITH DARK GREY/BLACK
MOTTLES. SILTY INTERNAL
HAS BANDING.

NB: GAS CRACKS VISIBLE
IN CT.

SS = So (rep. silt)

122 = END

Date 14/11/24	Observer CP	VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 7H	Section CC
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs					
0																			
10																			
20																			
30																			
40																			
50																			
60																			
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			

SED FILLED VEINS

0-27.5-

27.5-END

SUMMARY -

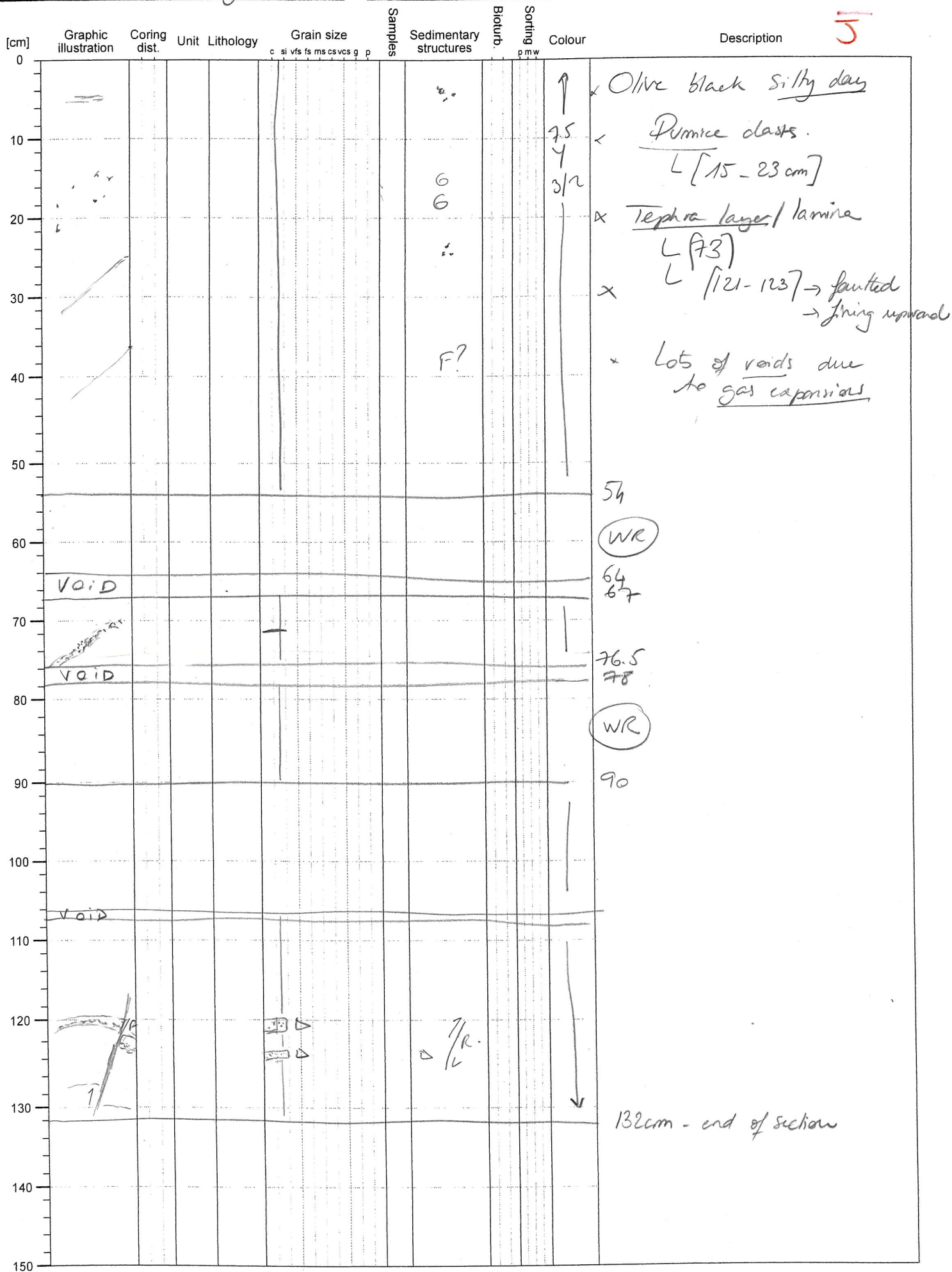
DARK OLIVE BLACK
BURNED SILT WITH BLACK
VERTICAL SEDIMENT
FILLED VEINS.

Should be flow-in.

Date	Observer	VISUAL CORE DESCRIPTIONS		Exp.	Site	Hole	Core	Section
15/11/24	Morgan			405	Coolg	M	8H	2

[cm]	Graphic illustration	Coring dist.	Unit Lithology	Grain size c si vls fs ms cs vc s g p	Samples	Sedimentary structures	Bioturb. p mw	Sorting	Colour	Description
0										x Silty clay, Olive black
7.5						:			↑ 7.5	
10						:			3/2	x Pumice clast ↳ [60 cm]
20						:				x Highly deformed clay layers ↳ (~63-60) ↳ (~57-54) ↳ [51]
30						:				
40						:				x tephra lamina, vertical ↳ [60-71]
50						:				
60						:				x Remobilized clast? ↳ [60-72 cm]
70						:				
72						:			↓ 72	
75						:			75	
80						:				
90						:			↓ 90	
93						:			93 cm	
100						:			(WR)	
103						:			103 cm	
110						:			(IW)	
113.5						:			113.5 cm - End of section	
120						:				
130						:				
140						:				
150						:				

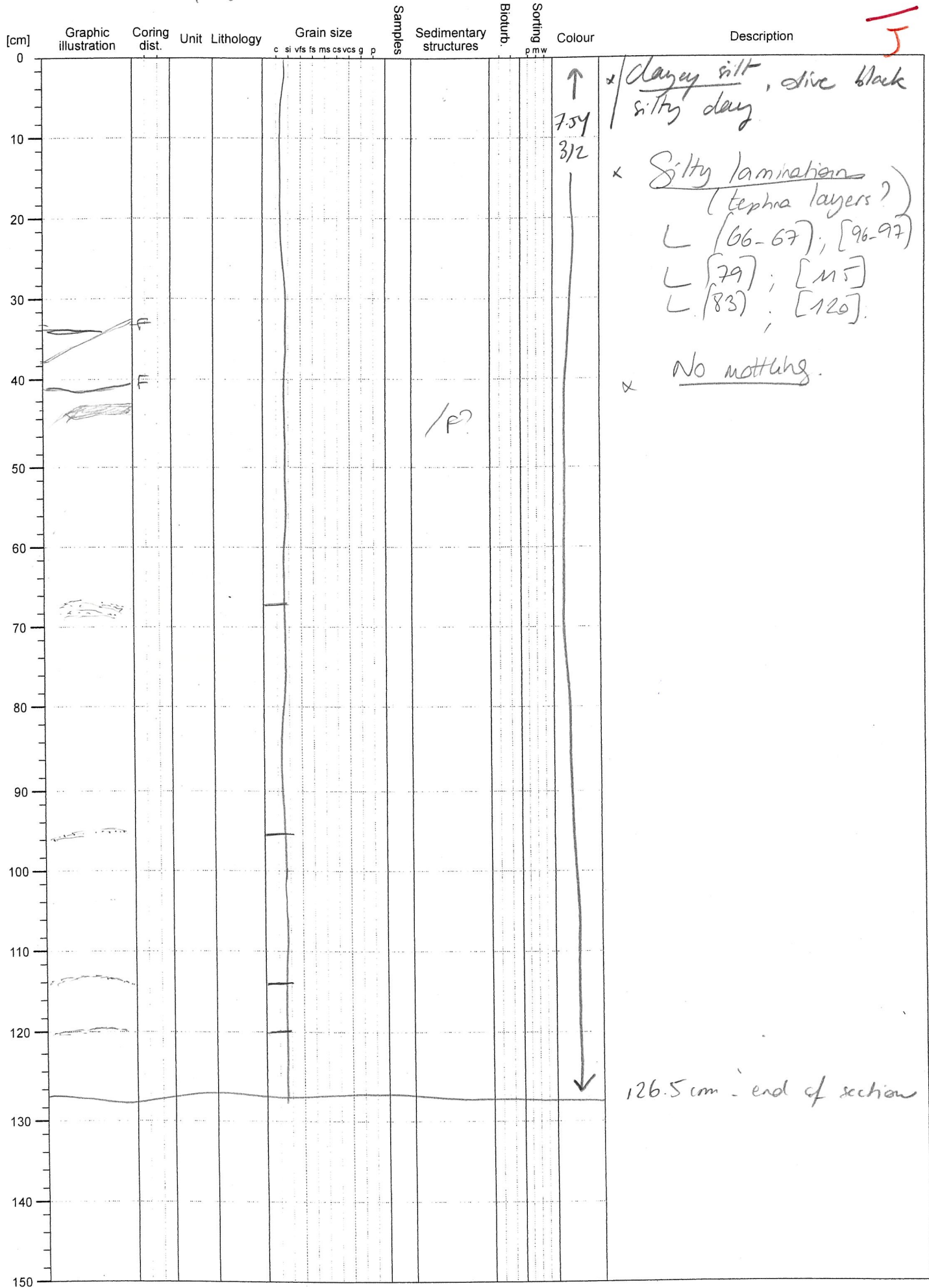
Date 15/11/24	Observer Morgane	VISUAL CORE DESCRIPTIONS		Exp. 405	Site COO9	Hole M	Core 84	Section 5
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Date 15/11/24	Observer J Morgan
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core 84	Section 7
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Date 15/11/2024	Observer Yuchen
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core 8H	Section 2
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Sedimentary structures	Bioclasts	Sorting	Colour	Description
					c	si	fs	ms	cs	vs	g	p								
0																				
10																				
20																				
30																				
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

J

tilted
 ashy beds = [2.5-8], [18-20]
 [31-34], [33-36] [46.5-50]
 [50.5-53]
 cracking [6-11]
 patches [92]

Summary = Silty clay
 with many thin ashy
 beds (0.2 cm)

III end of section

Date

15/11/24

Observer

Morgane

VISUAL CORE

DESCRIPTIONS

Exp.

405

Site

CO019

Hole

M

Core

94

Section

1

Graphic illustration

Coring dist.

Unit

Lithology

silty clay

Grain size

c

si

vfs

fs

ms

cs

vcs

g

p

Samples

Sedimentary structures

Bloturb.

Sorting

p

m

w

Colour

↑

754

312

↓

Description

× Olive black, silty clay

× Sapry texture (0-8cm)

↳ CD.

19 cm - end of section

20

[cm]

0

10

20

30

40

50

60

70

80

90

100

110

120

130

140

150

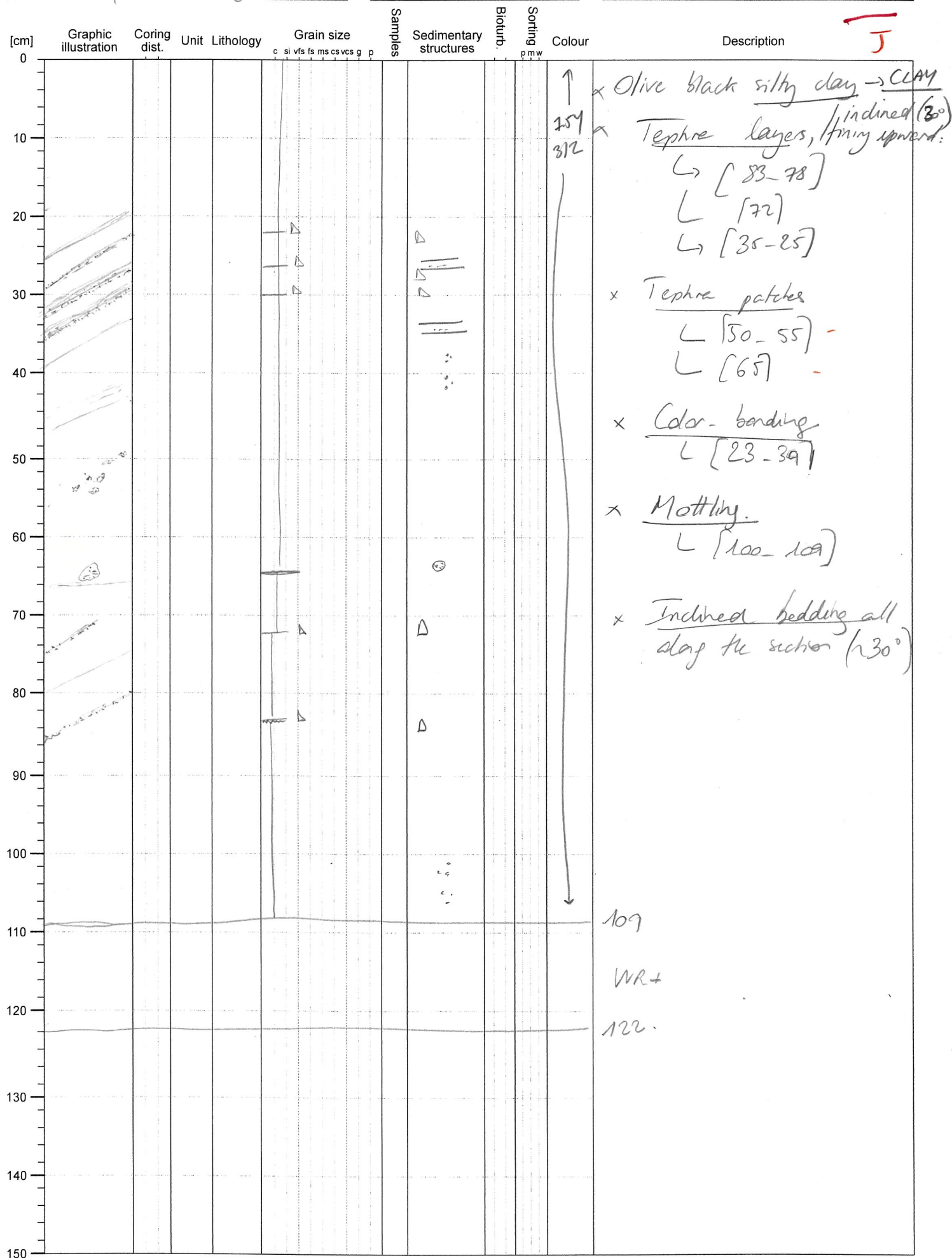
void

5

Date 15/11/24
Observer Morgan

VISUAL CORE DESCRIPTIONS

Exp. 405 Site C0019 Hole M Core 9H Section 2



Exp. 405	Site 00019	Hole M	Core 9H	Section 5
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Date	Observer
15/11/2024	Yuchun

VISUAL CORE DESCRIPTIONS

Exp.	Site	Hole	Core	Section
405	C0019	M	94	6

[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vcs	g	p						
0																			
10																			
20																			
30																			
40																			
50																			
60																			
70																			
80																			
90																			
100																			
110																			
120																			
130																			
140																			
150																			

J

VOID

1.54
3/2

cracking: [48-50.5]



vfs.
sand [40-45] [54-61]

[108-115]

ss: 9

Summary, clay with
some sandy beds
shy

133 cm end of the section

Date	Observer
15/11/2024	Yu Chan

VISUAL CORE DESCRIPTIONS

Exp.	Site	Hole	Core	Section
405	COO19	M	9H	7

[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size	Samples	Sedimentary structures	Biotur.	Sorting	Colour	Description
0					c si vls fs ms cs vcs g p						
10											
20											
30											
40											
50											
60											
70											
80											
90											
100											
110											
120											
130											
140											
150											

silt lamination
[28-39]

1.5f

3/2 color banding [4-9]

sublinear
pyrite patches: [37-43]

cracking: [59] [62]

end of the section 64 cm

Summary: clay with
silt laminations

Date 15/11/2024	Observer yu Chan
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core 914	Section CC
-------------	---------------	-----------	-------------	---------------

[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Samples	Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vs	g	p							
0																				
10																				
20																				
30																				
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

linear pyrite patches
[20.5-25] [12-16] [3-5]

ash beds [40-46] [32-33]
[20-22] [8-10]

ash patches: [47-50] [60-62]

bioturbation
[26-30] [38-40]

PAL.

Summary:
silty clay with bioturbated
ash bed.

Date 14/11/24	Observer CP	VISUAL CORE DESCRIPTIONS			Exp. 405	Site 19	Hole M	Core 10H	Section 1
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Samples	Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	g	p							
0																				
10																				
20																				
30																				
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

COLOUR BANDING 7.5Y 2/1
18-55 (BLACK BANDS)
95-111 (0.5-1.5 cm THICK)

CORING DISTURBANCE
110-112

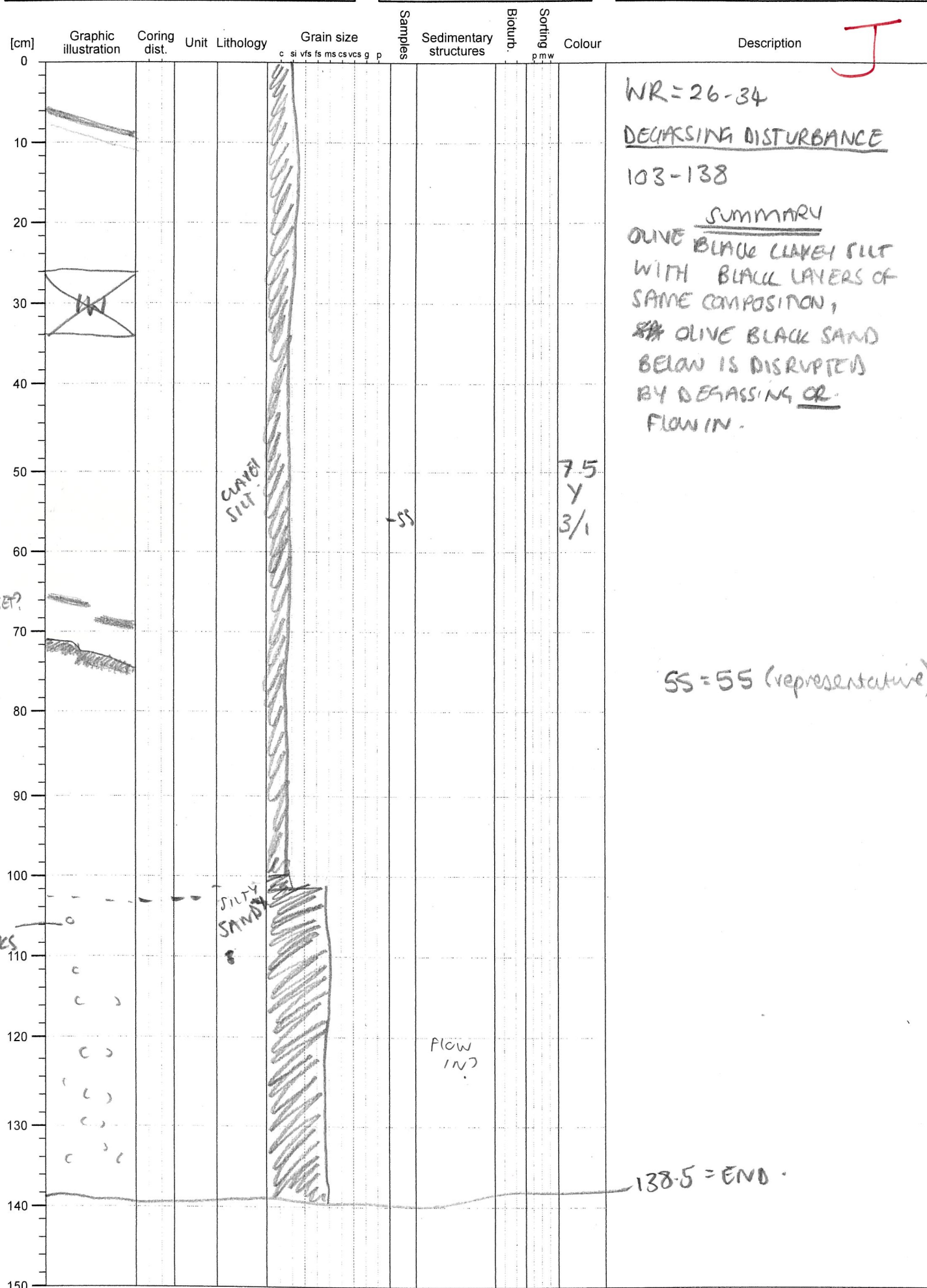
PRIMICE (DISPERSED)
44-48 (WHITE)

SUMMARY
OLIVE BLACK CLAYEY SILT
WITH BLACK BANDS AND
LIGHT GREY ASH LAYER.

7.5Y 5/1

7.5Y 3/1

112 = END.



Date 14/11/24	Observer CP
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site 104	Hole M	Core 104	Section 3
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Samples	Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vf	fs	ms	cs	vs	g	p								
0				CLAYEY SILT														SY 3/2	SAND (BLACK) 10-13		
10				SAND														SY 3/1			
20	LIGHTER			CLAYEY SILT														SY 5/2	SUMMARY DARK OLIVE CLAYEY SILT WITH 2 MEDIUM-SAND BEDS BENEATH (DARK GREY) LIGHT OLIVE CLAYEY SILT FADING TO DARK OLIVE CLAYEY SILT.		
30	DARKER																	SY 4/2			
40																					
50																					
60																			SS		
70	VOID																		12 = SAND 20 = LIGHT CLAY		
80																					
90																			86 = END		
100																					
110																					
120																					
130																					
140																					
150																					

Date	Observer
15/11/2024	Yachun

VISUAL CORE DESCRIPTIONS

Exp.	Site	Hole	Core	Section
405	0019	M	16H	7

[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Biocarb.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vs	g	p						
0																			
10	ms			ms															
20																			
30	ms																		
40	fs			fs															
50																			
60																			
70																			
80																			
90	ms			ms															
100																			
110																			
120																			
130																			
140																			
150																			

Sand [0-118]
 ms: [0-13] [64-118]
 fs: [13-64]

Summary: flow in

118 cm end of sec-01a1

Exp. 405	Site CSD19	Hole M	Core 1014	Section 5
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Date 15/11/2024	Observer Yachun
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site C0019	Hole M	Core 10M	Section 6
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Sedimentary structures	Biocarb.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	g	p						
0																			
10																			
20																			
30				MS															
40																			
50																			
60																			
70																			
80																			
90																			
93.5																		93.5 cm end of the section	
100																			
110																			
120																			
130																			
140																			
150																			

homogeneous
0-93.5 → medium
sand.

Summary:-
flow in

[illegible]

Date 14 / 11 / 24	Observer CP
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site 19	Hole M	Core 11X	Section 1
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Samples	Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vs	g	p								
0																					
10				↑ SILTY CLAY																	
20				↓																	
30																					
40																					
50																					
60																					
70																					
80																					
90																					
100																					
110																					
120																					
130																					
140																					
150																					

Summary
HEAVILY DISTURBED SILTY CLAY (OLIVE BLACK)

29.5 = END

SS @ 20 (represent)

7.5
4
3/2

Date 14/11/24	Observer CP
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site 19	Hole M	Core 11X	Section CC
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Samples	Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	g	p								
0																					
10				SILTY CLAY																	
20																					
26																					
30																					
40																					
50																					
60																					
70																					
80																					
90																					
100																					
110																					
120																					
130																					
140																					
150																					

SUMMARY
GAS DISTURBED OLIVE
BLACK SILTY CLAY.

26 = END

Date 15/11/24	Observer CP
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site 19	Hole M	Core 12X	Section 1
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Sedimentary structures	Bioturb.	Sorting	Colour	Description
					c	si	vi	fs	ms	cs	vs	g	p							
0																				
10																				
20																				
30																				
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

DISTURBANCE
 0-18 = GAS
 24-54 ISH = GAS + CORING?
 54-84 = GAS.

BLACK MOTTLING + PYRITE.
 89-114

SS
 105 = representative

SUMMARY
 OLIVE BLACK SILTY CLAY,
 HEAVILY DISTURBED
 UNTIL 89 CM WHERE
 BLACK MOTTLING BEGINS

114.5 = END

Date 15 / 11 / 24		Observer CP		VISUAL CORE DESCRIPTIONS		Exp. 405	Site 19	Hole M	Core 12X	Section 2
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Samples	Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vcs	g	p							
0																			WR = 0-10 (IW) 10-22 (CA) MOTTLING (BLACK) 83-110 <u>SUMMARY</u> DENSE SILTY CLAY DISTURBED BY GAS CRACK. FAINT BLACK MOTTLING AT THE BASE.	
10																				
20																				
30																				
40																				
50																				
60																				
70																				
80																				
90																				
100																				
110																				
120																				
130																				
140																				
150																				

7.5
4
3/1

110 = END

Date 15/11/24	Observer CP
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site 19	Hole M	Core 12X	Section 4
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Samples	Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vs	fs	ms	cs	vs	cs	vs	cs	vs						
0																					
10																					
20																					
30																					
40																					
50																					
60																					
70																					
80																					
90																					
100																					
110																					
120																					
130																					
140																					
150																					

BLACK MOTTLING + PYRITE
0-66.

SUMMARY
OLIVE BLACK, DISTURBED
SILTY CLAY WITH
BLACK PATCHES.

66=END.

NB: NO NCD FOR
CC AS IN BAG
+ CONTAMINATED
BY IRON FROM
CORE BARREL.

Date 15/11/24	Observer CP
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site 19	Hole M	Core 13X	Section 2
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size											Samples	Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vcs	g	p								
0																					
10																					
20																					
30																					
40																					
50		51		slty unit																	
60		61		slty clay																	
70				slty clay																	
80																					
90																					
100																					
110		106																			
120																					
130																					
140																					
150																					

WR = 0-11

SUMMARY

OLIVE BLACK SILTY CLAY
WITH DARKER + LIGHTER
PATCHES + STREAK OF
GREY GREEN - CONTACTS
OF COLOUR CHANGE ARE
GRADATIONAL.

- WITH MOTTLES OF 5G4 3/1
+ 10G 3/1

129.5 = END.

Date 14/11/24	Observer CP
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VISUAL CORE DESCRIPTIONS

Exp. 405	Site 19	Hole M	Core 14X	Section 2
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[cm]	Graphic illustration	Coring dist.	Unit	Lithology	Grain size										Samples	Sedimentary structures	Biotur.	Sorting	Colour	Description
					c	si	vfs	fs	ms	cs	vcs	g	p							
0																			WR = 92-101.5	
10																			<u>BLACK MOTTLES</u>	
20																			0-92	
30																			<u>PYRITE</u>	
40																			74	
50																			<u>SUMMARY</u>	
60																			VERY STIFF, SILTY CLAY,	
70																			MORE SOFT THAN BELOW.	
80																			DARK (OLIVE) BLACK COLOUR	
90																			WITH DARKER MOTTLES.	
100																			DISTURBED BY CORING /	
110																			SPUTTING 0-45 +	
120																			BY GAS THROUGHOUT	
130																				
140																				
150																				

J

FAULT
OFFSET

SILTY
CLAY

SILT

Py

VOID

W

101.5 = END

104
2/1

