

# Integrated Ocean Drilling Program Visual Core Description

NO.  
DATE 26/10/2009  
EXP.: 322  
SITE/HOLE: C0012  
CORE: 1  
SECTION: 1  
OBSERVER: KTP/SK

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0				*	
	JMWR3 FIWR3				
50	G		↑	*	
				*	
100					
150					

SECTION DESCRIPTION

TAN BROWN OOZE (OXIDIZED)  
(LIKELY SEAFLOOR S.S.)  
9cm SS  
-11cm  
-15cm MCS ↓

MOTTLED CLAYEY  
SILTSTONE (MCS)  
-30cm

48cm } ASH (GREY-BROWN)  
49cm }

48.5 ASH (1cm)

55.5cm } ASH (WHITISH) FINE  
56cm } COARSE ↑

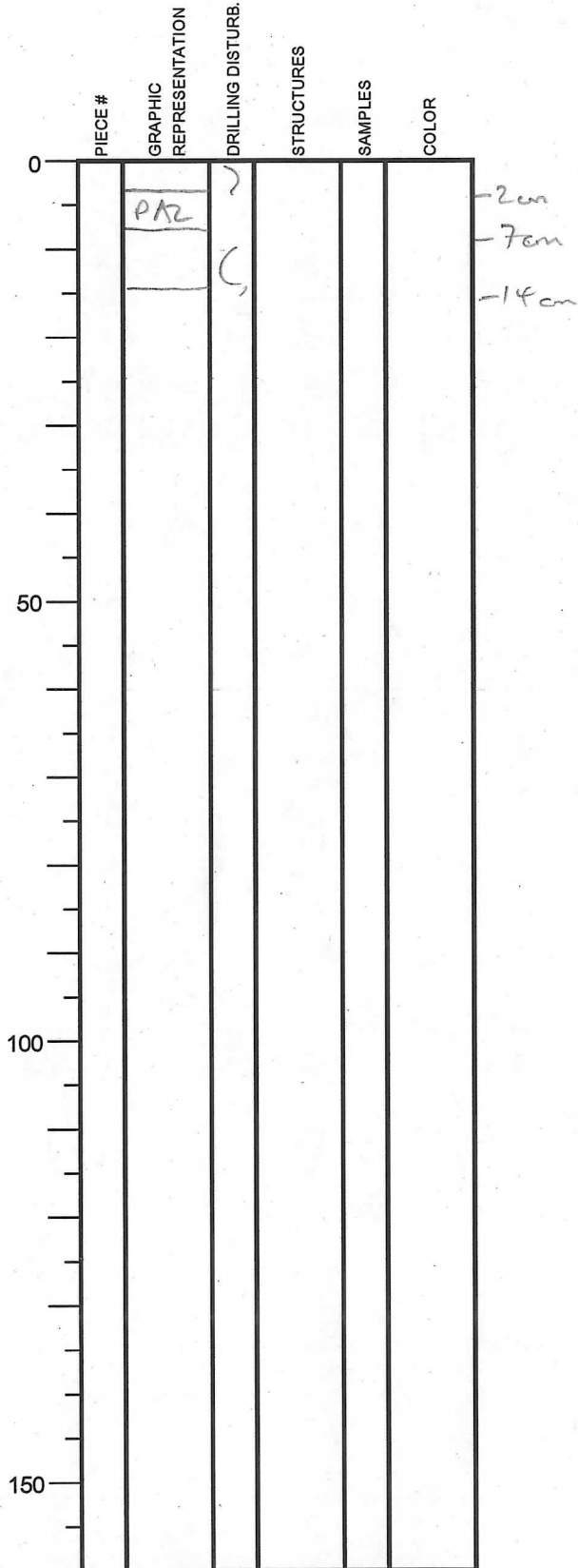
\*56.0 SS

-66cm END

↑ BIOTURBATION +  
MORBATE ↓

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 26/07/2009  
 EXP.: 322  
 SITE/HOLE: COO12  
 CORE: 1  
 SECTION: CC  
 OBSERVER: ktp/sk



SECTION DESCRIPTION

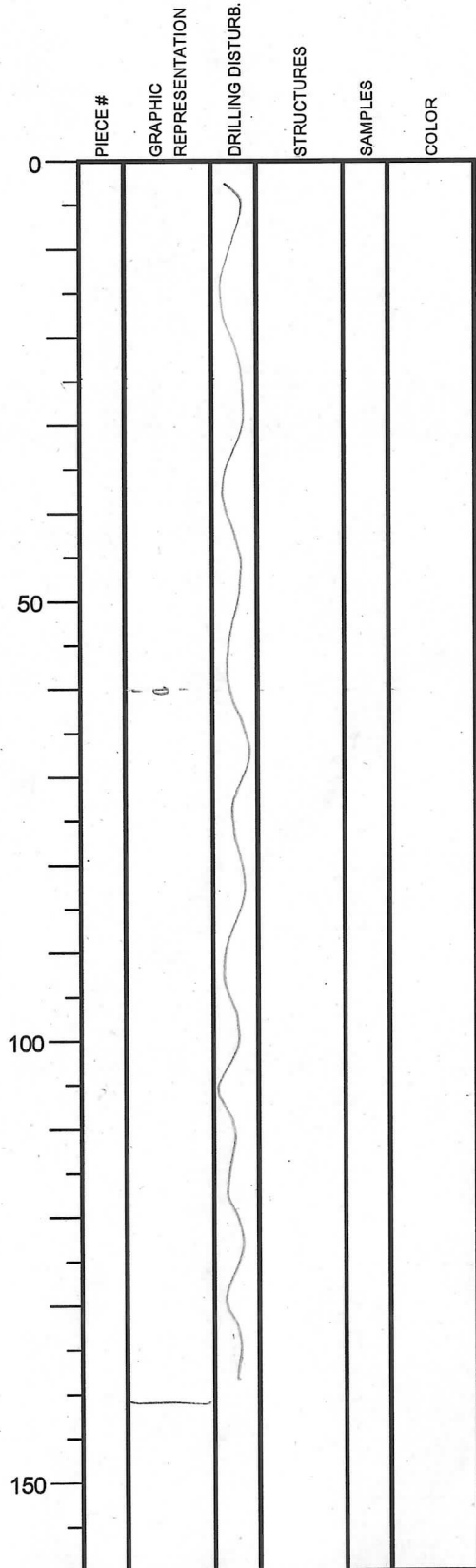
MCS

Bioturbation  
4 (MODERATE)



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 26/07/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 2  
 SECTION: 1  
 OBSERVER: KJP/SK



SECTION DESCRIPTION

CUTTINGS

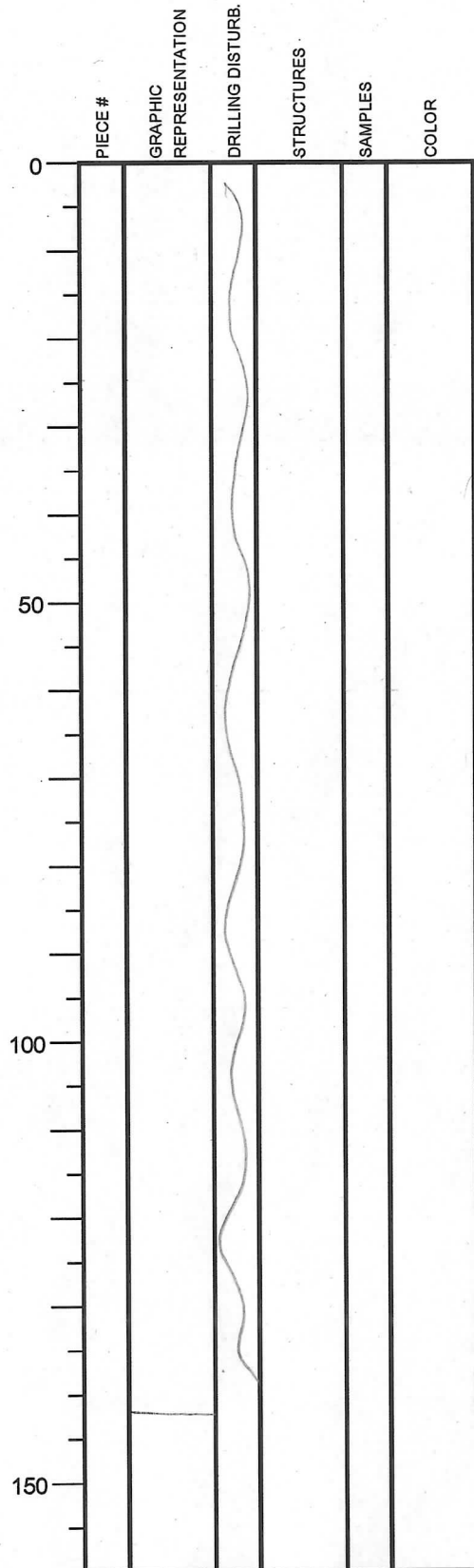
---

60cm GREEN MCS → Pumice CLAST  
 (+ Pumice CUTTINGS)

141 cm END

# Integrated Ocean Drilling Program Visual Core Description

NO.  
DATE: 6/09/20 09  
EXP.: 322  
SITE/HOLE: C0012  
CORE: 2  
SECTION: 2  
OBSERVER: KTW/SK



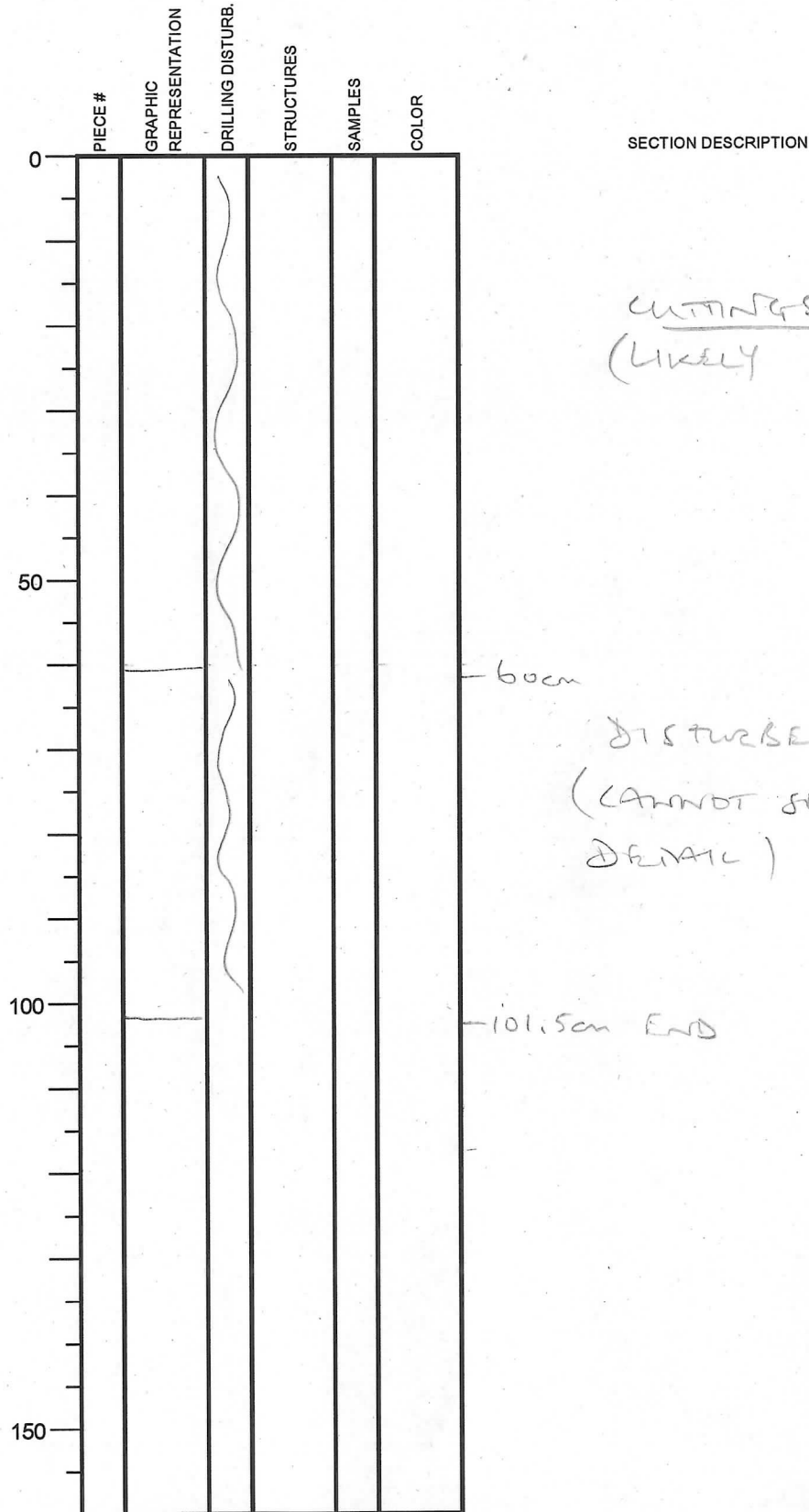
SECTION DESCRIPTION

CUTTINGS  
LIKELY MCS  
(& pumice CUTTINGS)

142 cm EMB

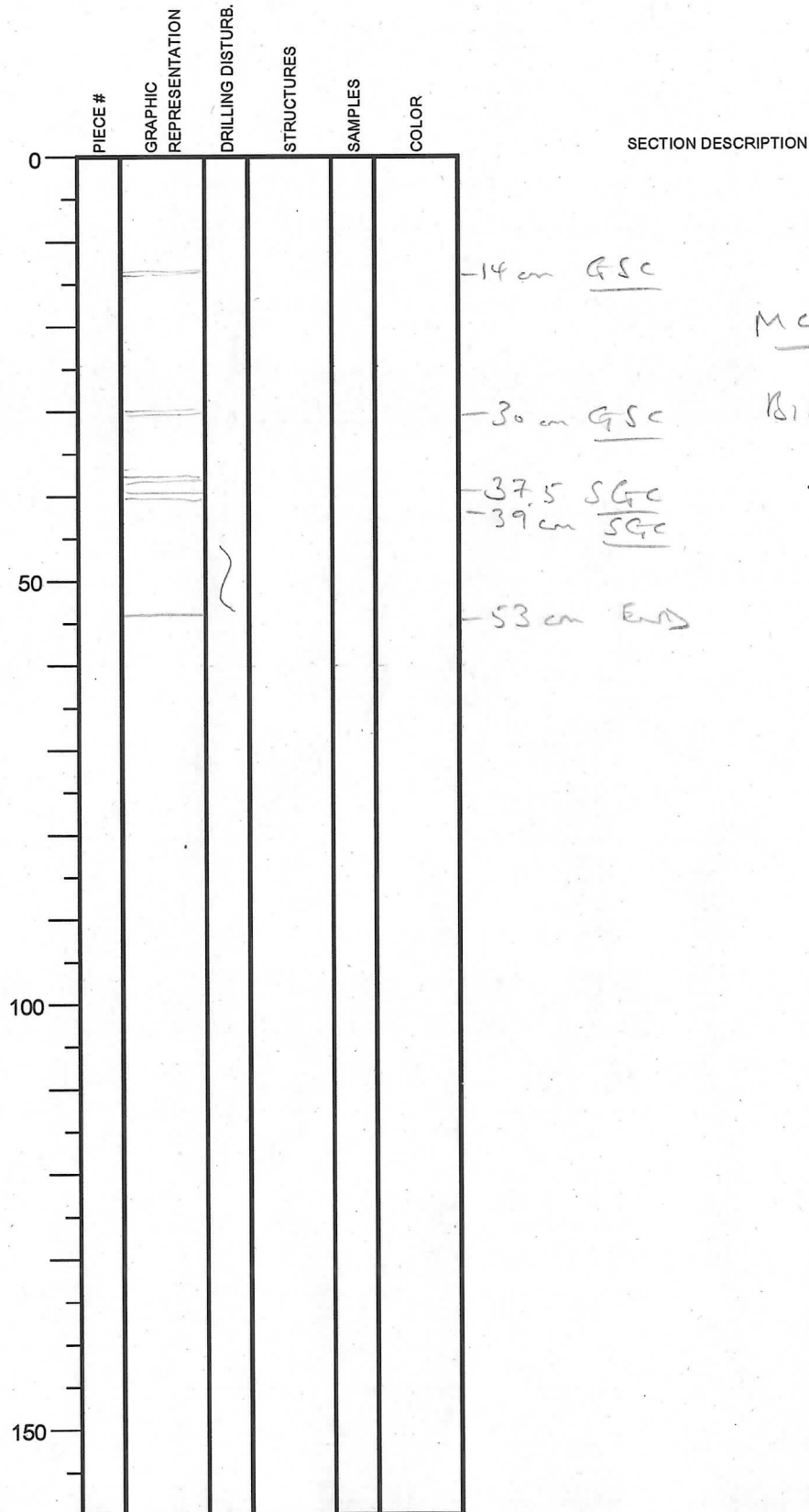
# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 26/07/20 09  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 2  
 SECTION: 3  
 OBSERVER: kw/sk



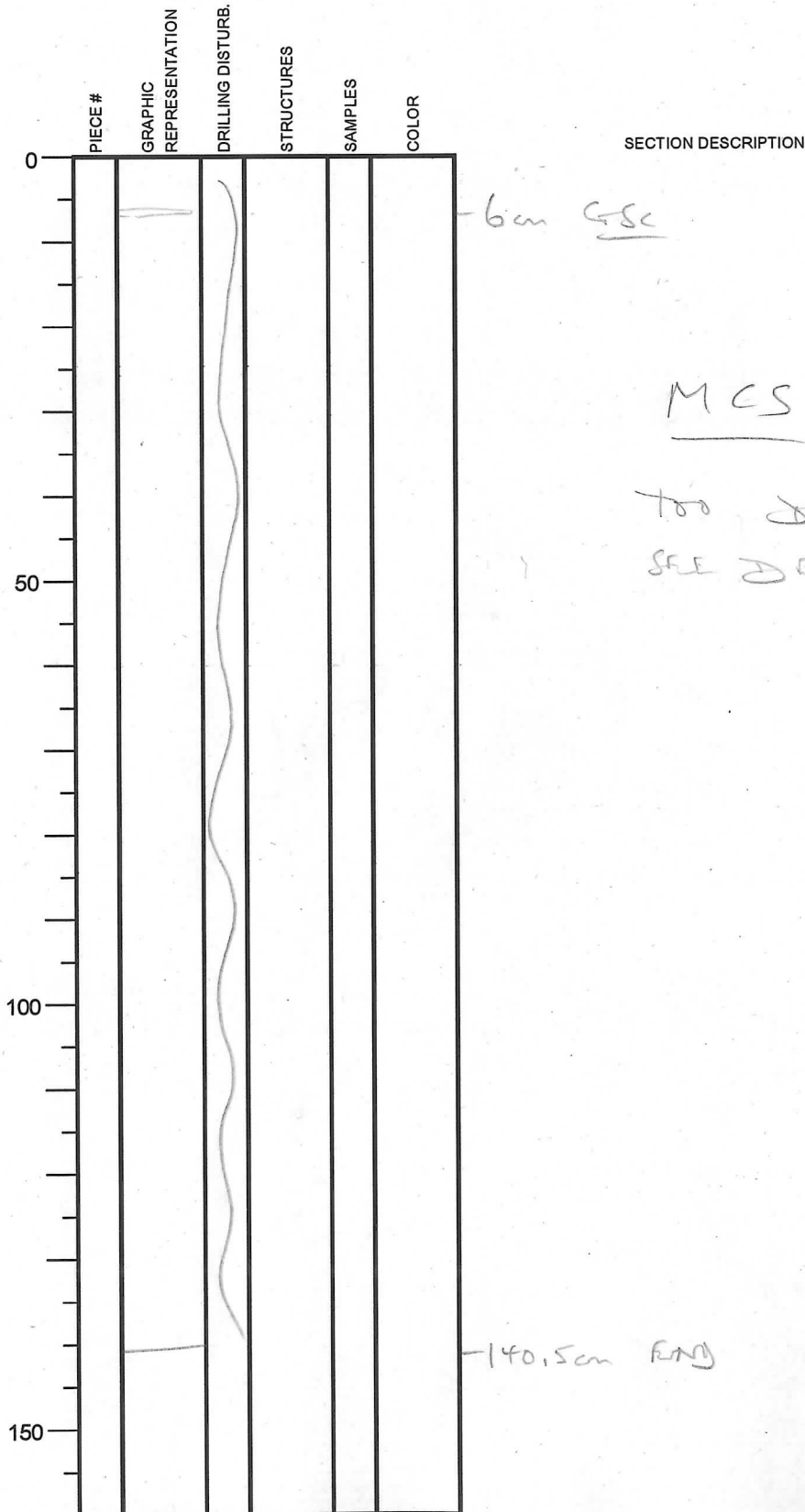
# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 26/07/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 2  
 SECTION: 4  
 OBSERVER: *W.P./SK*



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 8/19/20 09  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 3  
 SECTION: 1  
 OBSERVER: *WJP/SK*



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 26/09/2009  
 EXP.: 322  
 SITE/HOLE: 20012  
 CORE: 3  
 SECTION: 2  
 OBSERVER: KTV/SK.

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

SECTION DESCRIPTION

MCS ?  
 (TOO DISTURBED TO  
 SEE DETAIL)

-47cm FMS

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 26/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 3  
 SECTION: 3  
 OBSERVER: KTD/SK

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

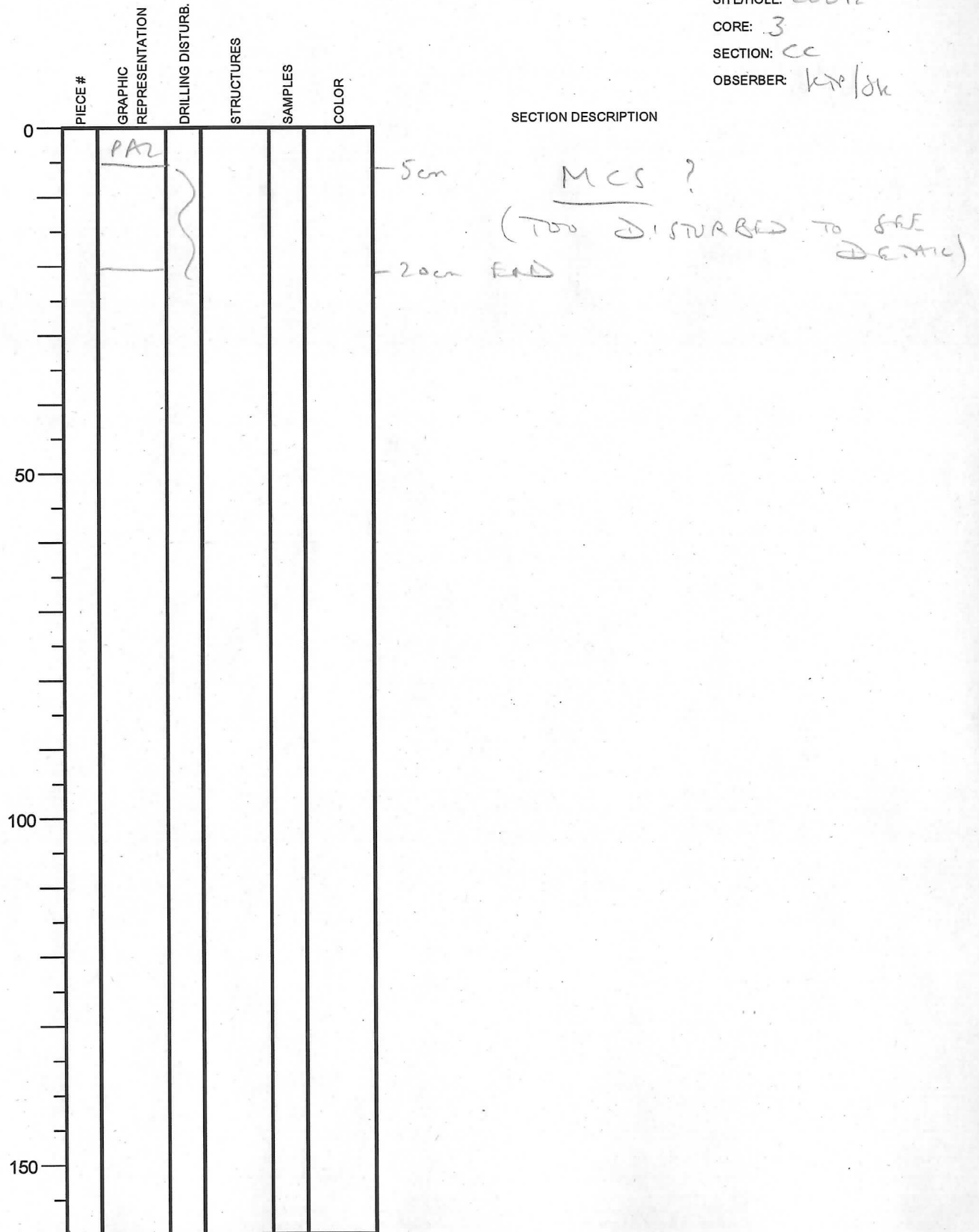
SECTION DESCRIPTION

MCS ?  
 (TOP DISTURBED TO  
 FOR DETAIL)  
 -27cm END



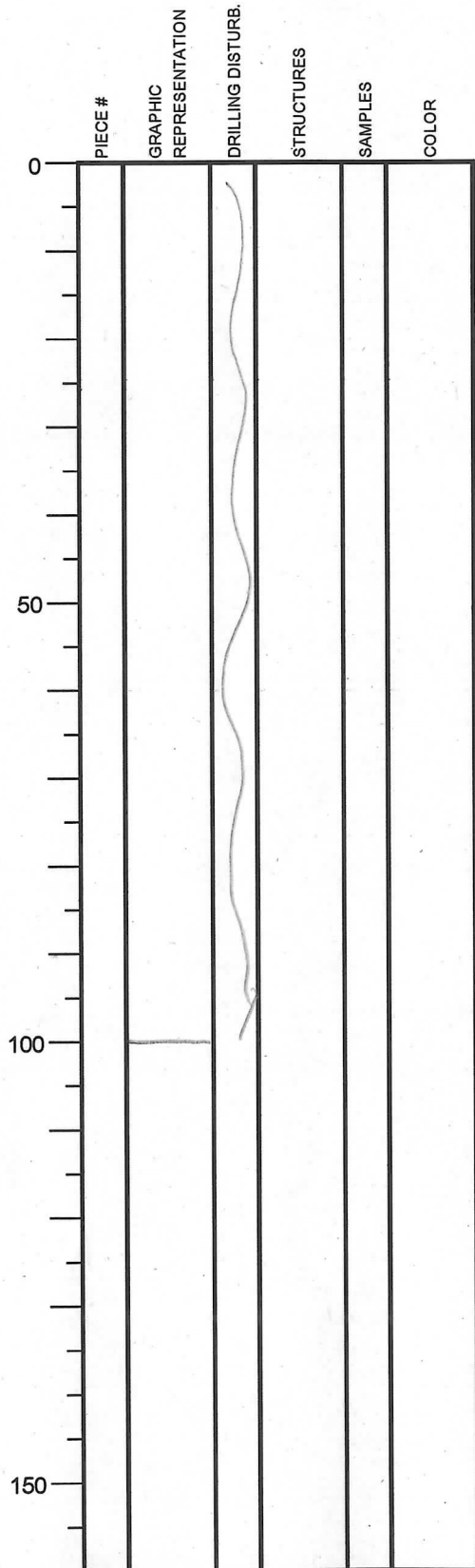
# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 24/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 3  
 SECTION: CC  
 OBSERVER: KTO/SK



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 26/07/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 4  
 SECTION: 1  
 OBSERVER: krp/sk



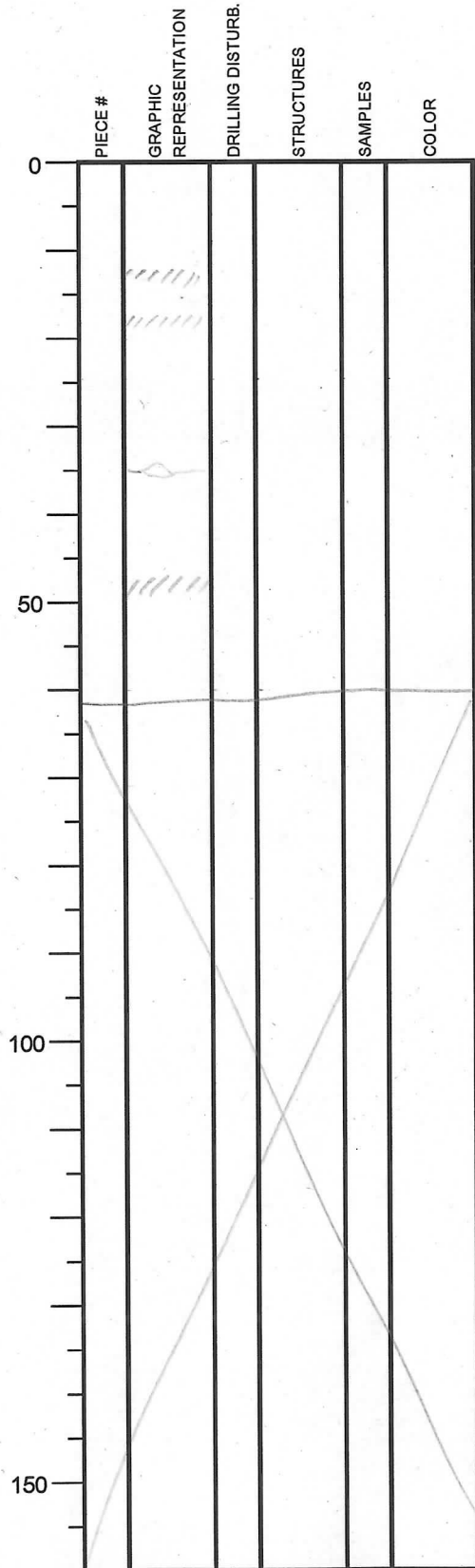
SECTION DESCRIPTION

? MCS / GSC ?  
 (TOO DISTURBED TO  
 SEE DETAIL)

- 100 cm

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/15/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 4R  
 SECTION: 2  
 OBSERVER: H. Naruse



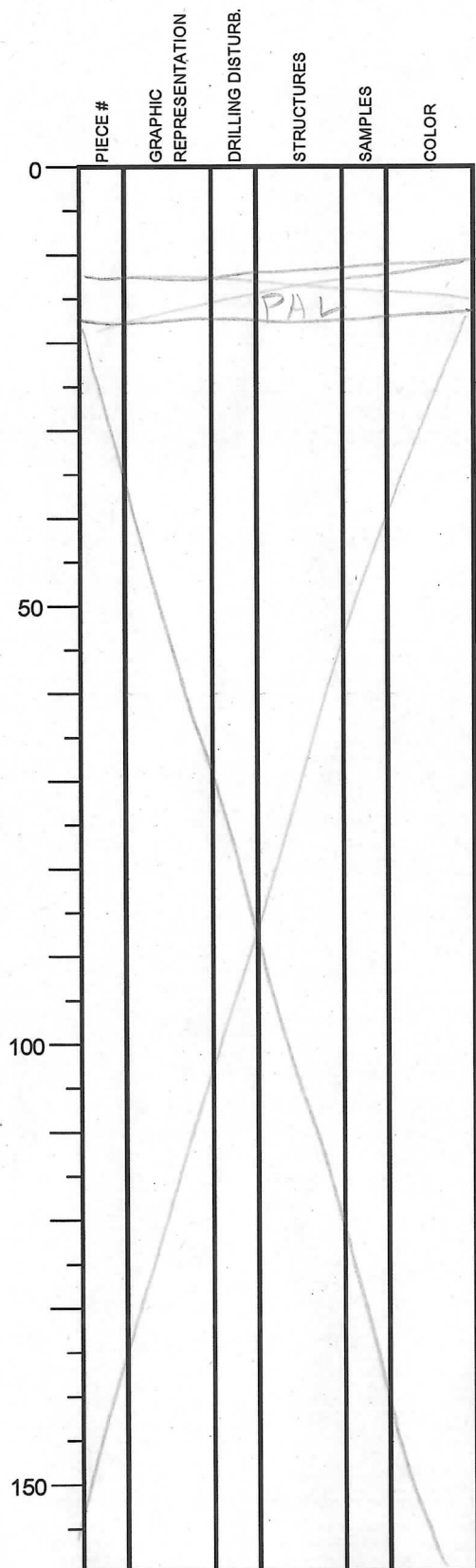
SECTION DESCRIPTION

green-gray s.c.  
 13 - grad. b. ?  
 green-g. (tuffaceous) silty claystone  
 19 - grad. b. ?  
 g.g.s.c.  
 36 - green silty claystone  
 37 - g.g.s.c.  
 49 - gradual boundary  
 light olive-gray fine tuff  
 62 end

↑ intense  
 drilling  
 disturbance  
 (difficult  
 to observe  
 bioturbation)  
 ↓

# Integrated Ocean Drilling Program Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/16/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 4R  
 SECTION: CC  
 OBSERVER: H. Haruse

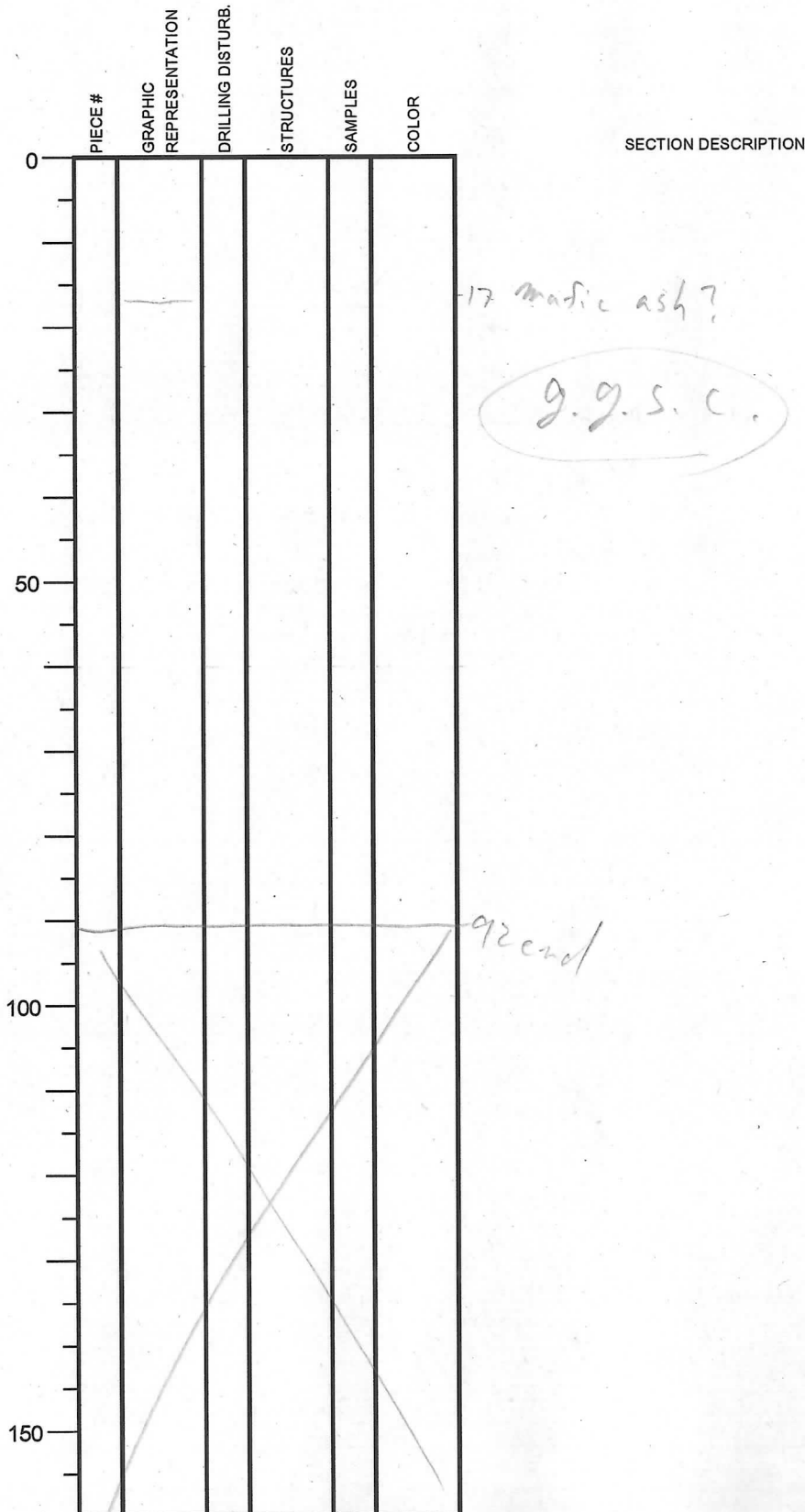


SECTION DESCRIPTION

g.g.s.c. (intense drilling disturbance)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/24/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 5R  
 SECTION: 1  
 OBSERVER: H. Naruse



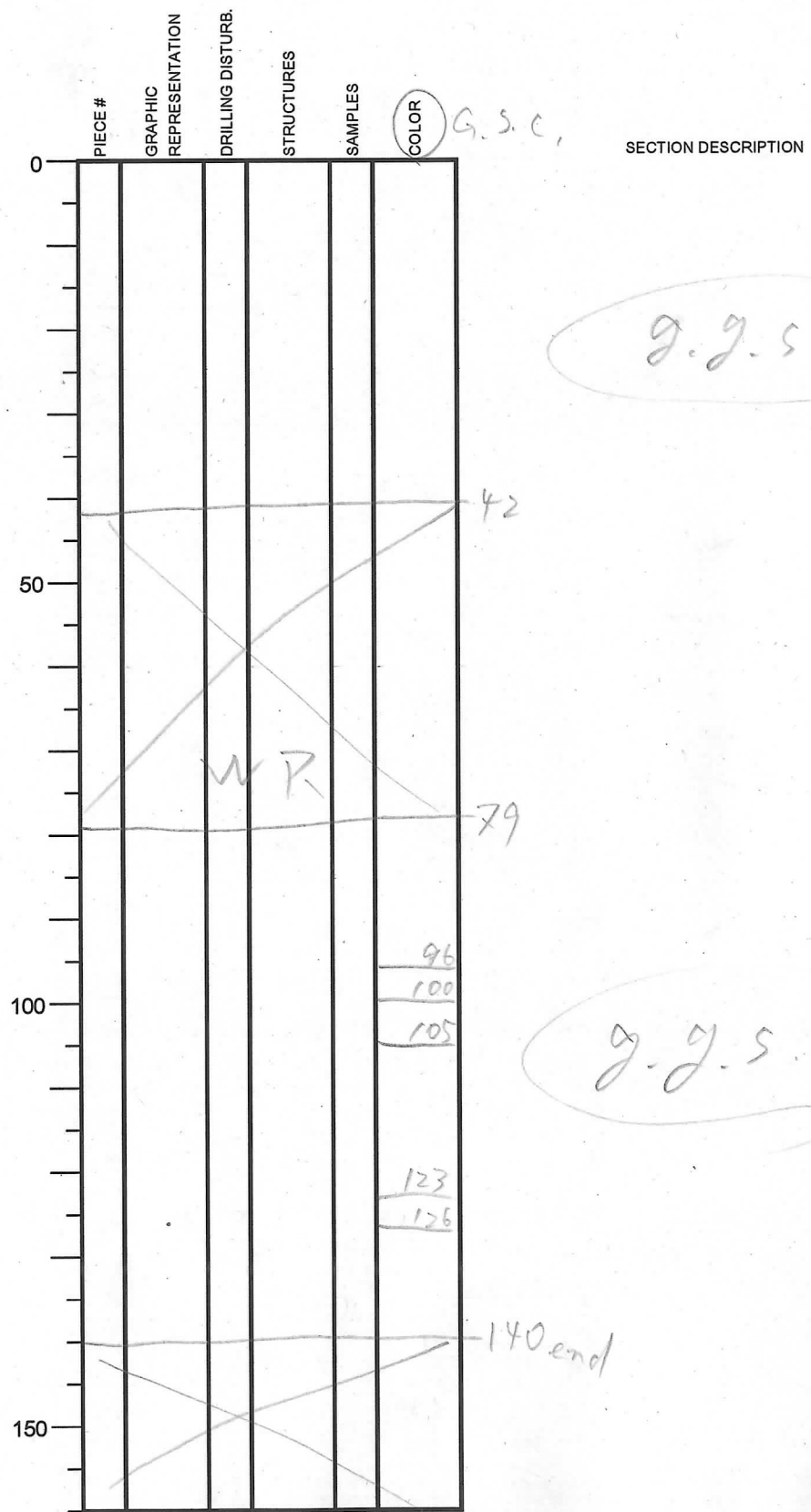
↑

Intense  
~~drilling~~ - disturbance  
 sawing

↓

# Integrated Ocean Drilling Program Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/26/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 5R  
 SECTION: 3  
 OBSERVER: H. Haruse



Intense  
 drill  
 disturb.

↓

# Integrated Ocean Drilling Program Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/24/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 5R  
 SECTION: 4  
 OBSERVER: H. Naruse

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						g.s.c.
					17	
					24	
					32	
					40	
					53	
					67	
					81	
					93	
100						101 end
150						

SECTION DESCRIPTION

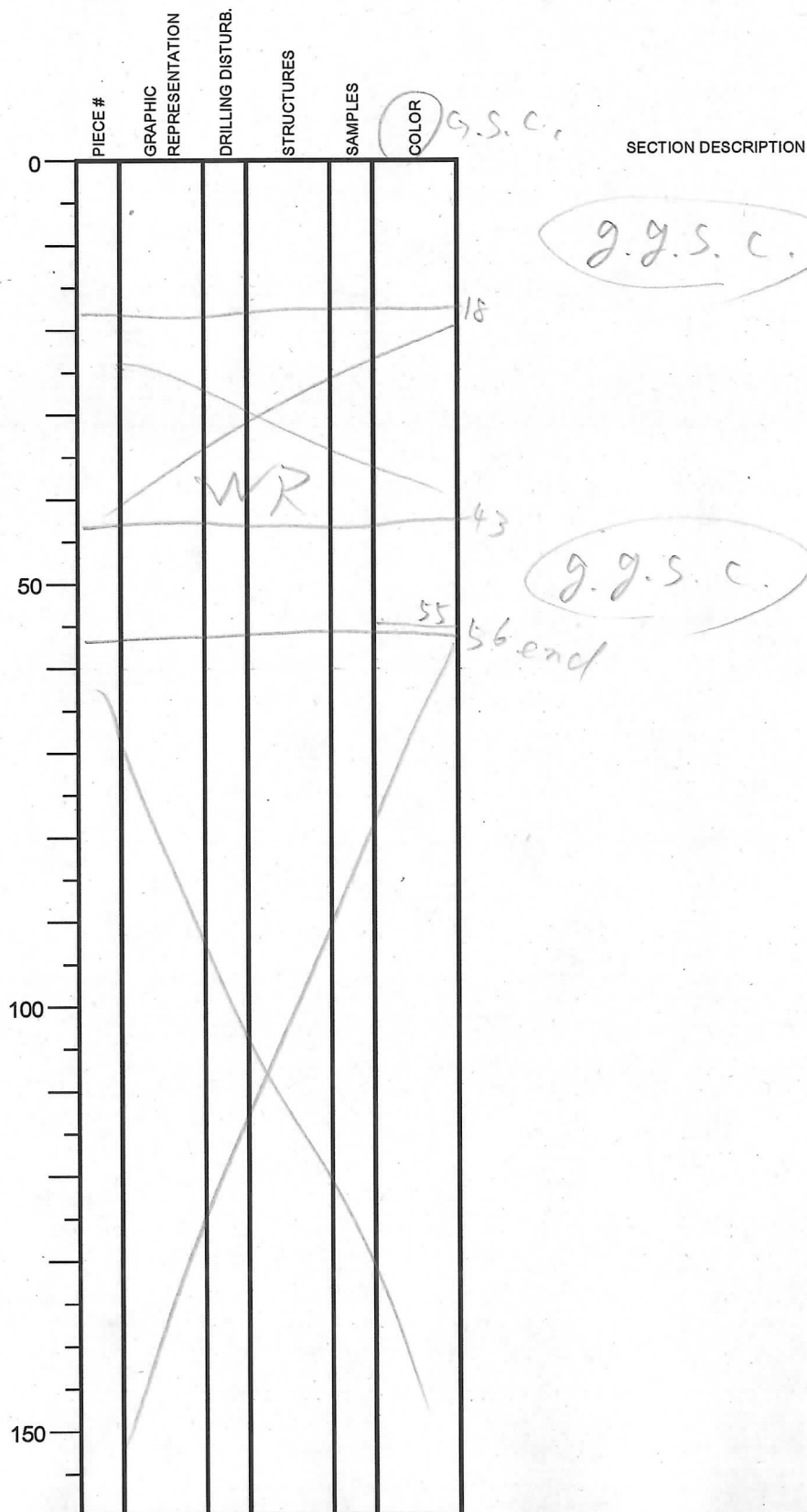
g.g.s.c.

Intense  
~~disturb.~~  
 drill sawing  
 disturbance



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/16/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 5R  
 SECTION: 5  
 OBSERVER: H. Haruse



SECTION DESCRIPTION

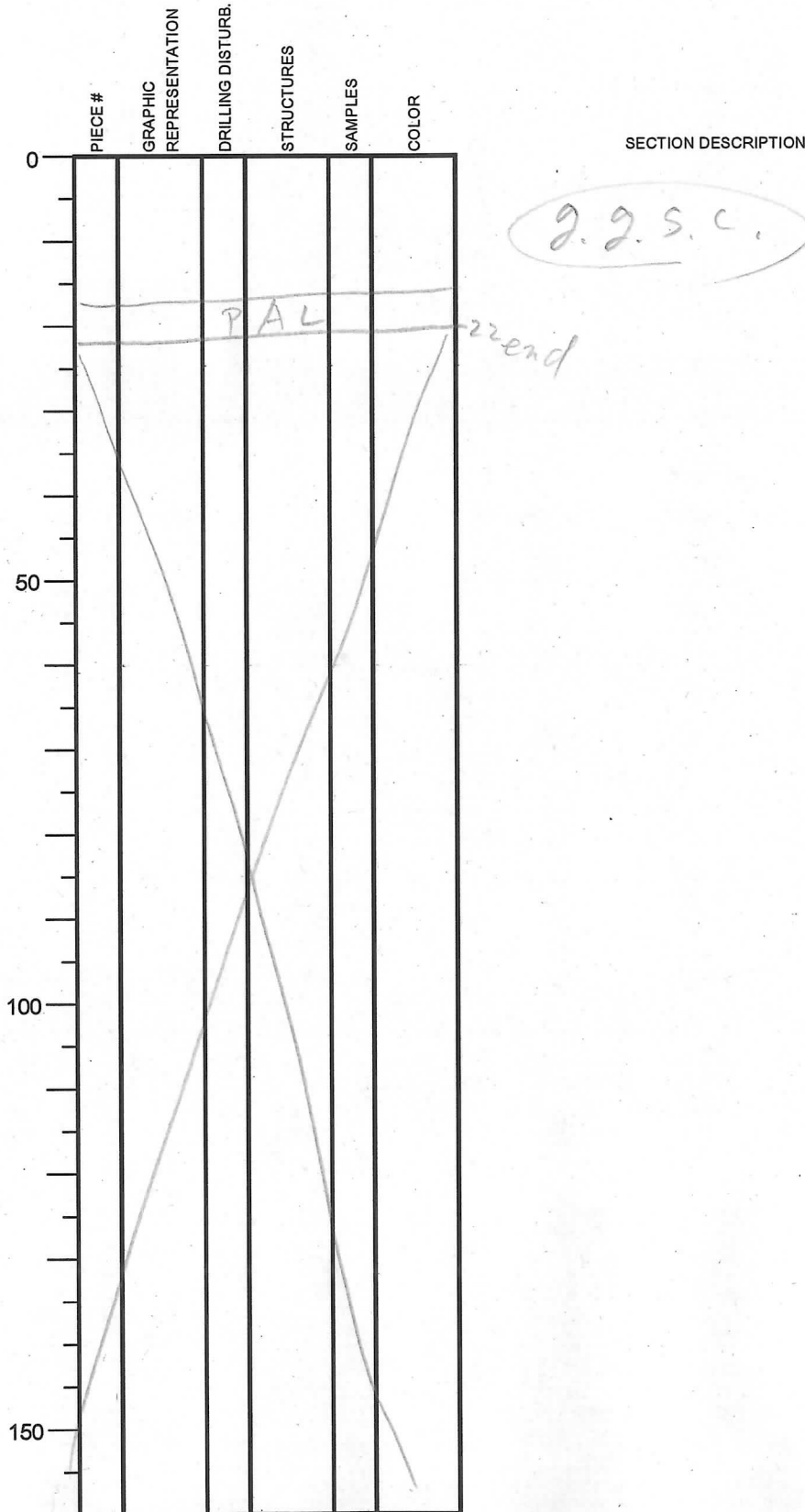
g.g.s.c.

g.g.s.c.

Intense  
sawing  
disturb.

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/24/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 5R  
 SECTION: CC  
 OBSERVER: H. Haruse



↑ intense saw-disturb.

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/24/20 09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 6R  
 SECTION: 1  
 OBSERVER: H. Naruse

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR	SECTION DESCRIPTION
0							
					19		
					26		
					36		
50					58		g.g.s.c.
100					103		
150							140.5 end

Intense  
drill & saw

g.g.s.c.

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/24/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 6R  
 SECTION: 2  
 OBSERVER: H. Naruse

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						(9) GSC
					24	
					31	
					46	
50					66	
100						94 end
150						

SECTION DESCRIPTION

g.g.s.c.

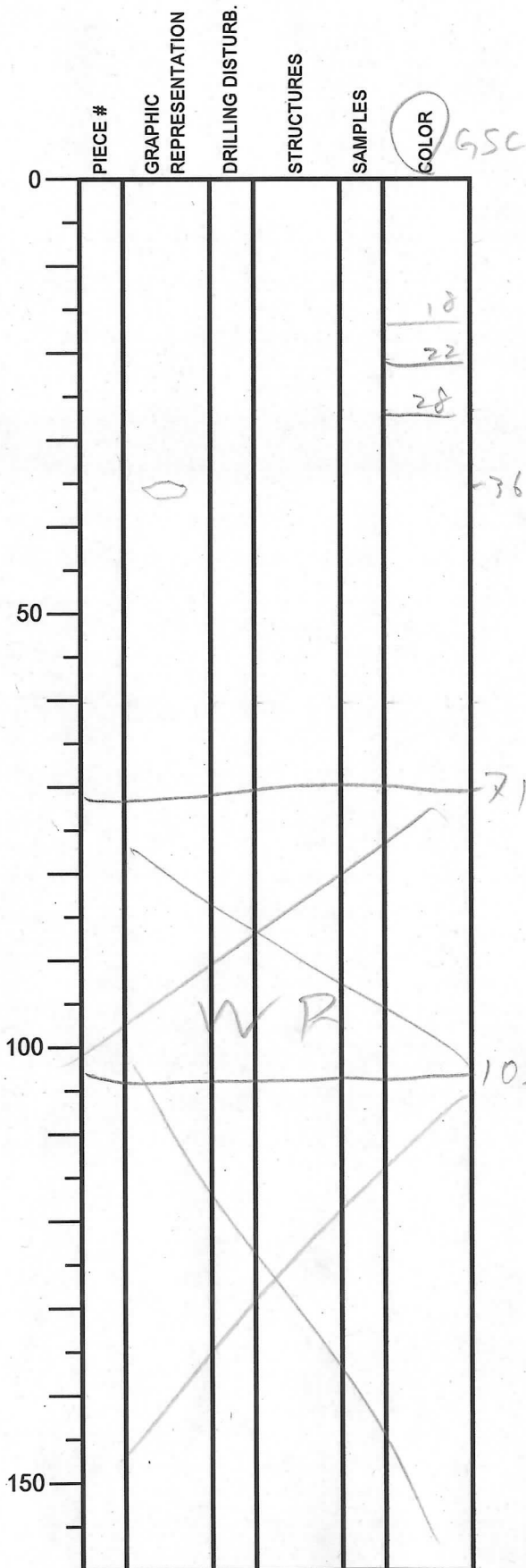
{

Intense  
drill & saw  
disturb.

}

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/20/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 6R  
 SECTION: 4  
 OBSERVER: H. Naruse



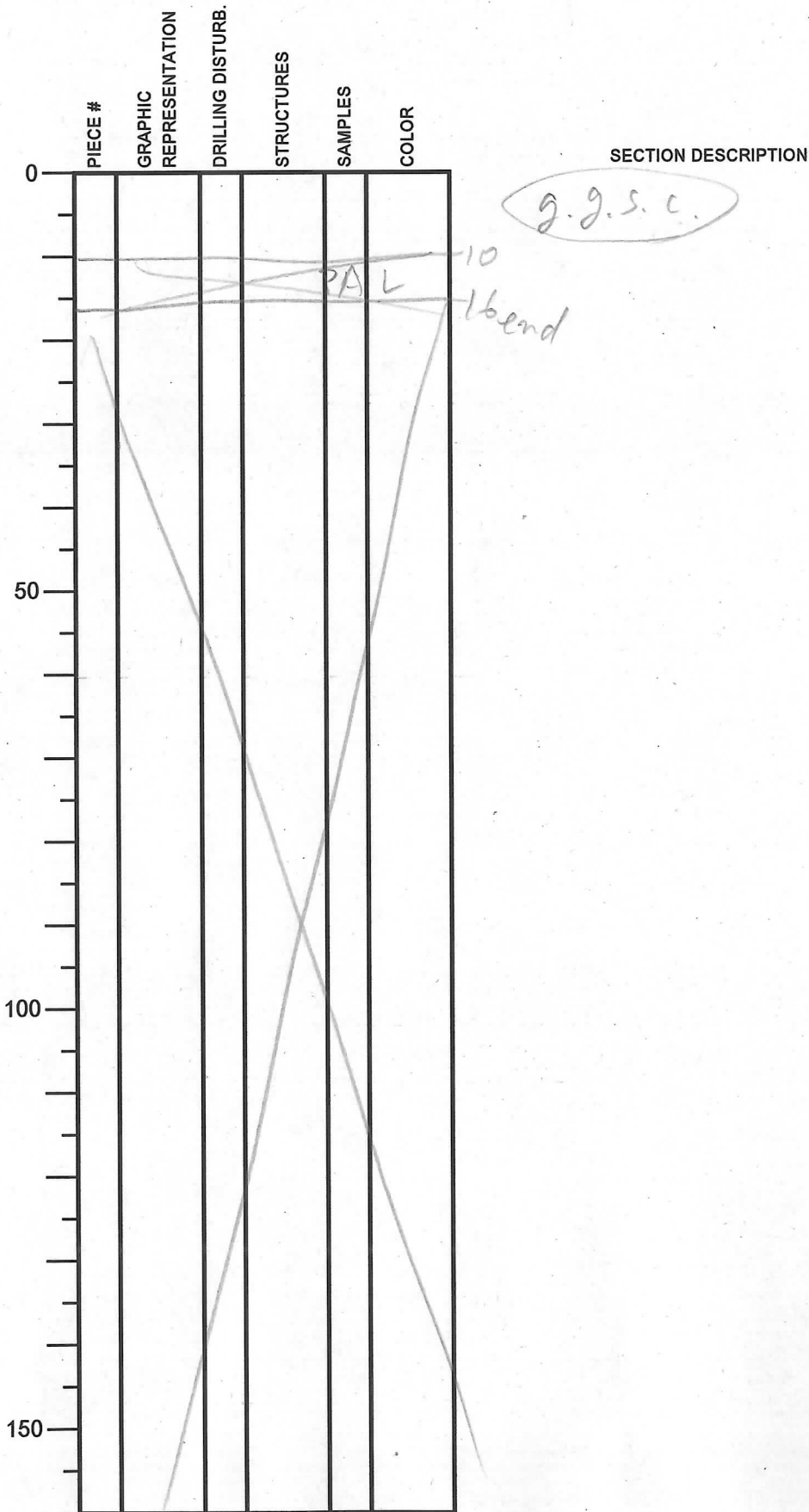
SECTION DESCRIPTION

↑  
g.g.s.c.  
 ↓

↑  
 Intense  
 drill & saw  
 disturb.  
 ↓

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/24/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: BR  
 SECTION: CC  
 OBSERVER: I.H. Naruse



↑ Heavy bioturb.  
(6)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
DATE: 9/26/2009  
EXP.: 322  
SITE/HOLE: C0012A  
CORE: 7R  
SECTION: 1  
OBSERVER: H. Naruse

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

SECTION DESCRIPTION

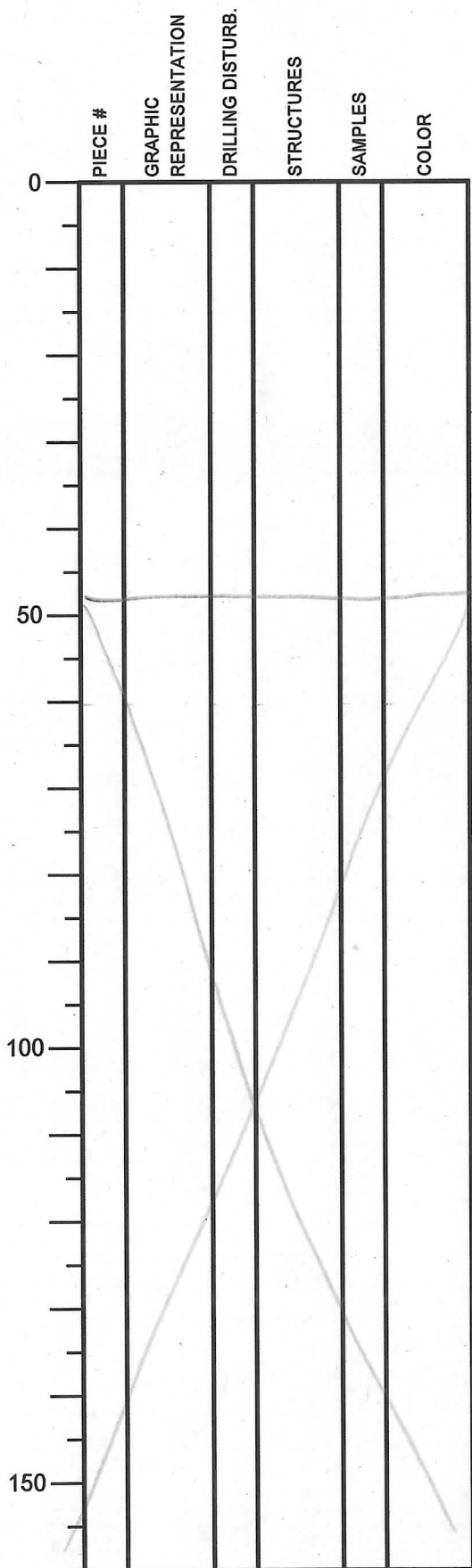
drilling breccia  
of g.g.s.c.

145



# Integrated Ocean Drilling Program Visual Core Description

NO.  
DATE: / /20  
EXP.:  
SITE/HOLE:  
CORE:  
SECTION: 2  
OBSERVER: H. Naruse



SECTION DESCRIPTION

drilling breccia  
of g.g.s.c.

# Integrated Ocean Drilling Program Visual Core Description

NO.  
DATE: 9/24/09  
EXP.: 322  
SITE/HOLE: C0012/A  
CORE: 7R  
SECTION: 3  
OBSERVER: H. Naruse

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

SECTION DESCRIPTION

drilling breccia  
of g.g.s.c.

140 end

# Integrated Ocean Drilling Program

## Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/20/09  
 EXP.: 322  
 SITE/HOLE: C00121A  
 CORE: 7R  
 SECTION: 4  
 OBSERVER: H. Naruse

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50						
100						
150				(P)	-176	

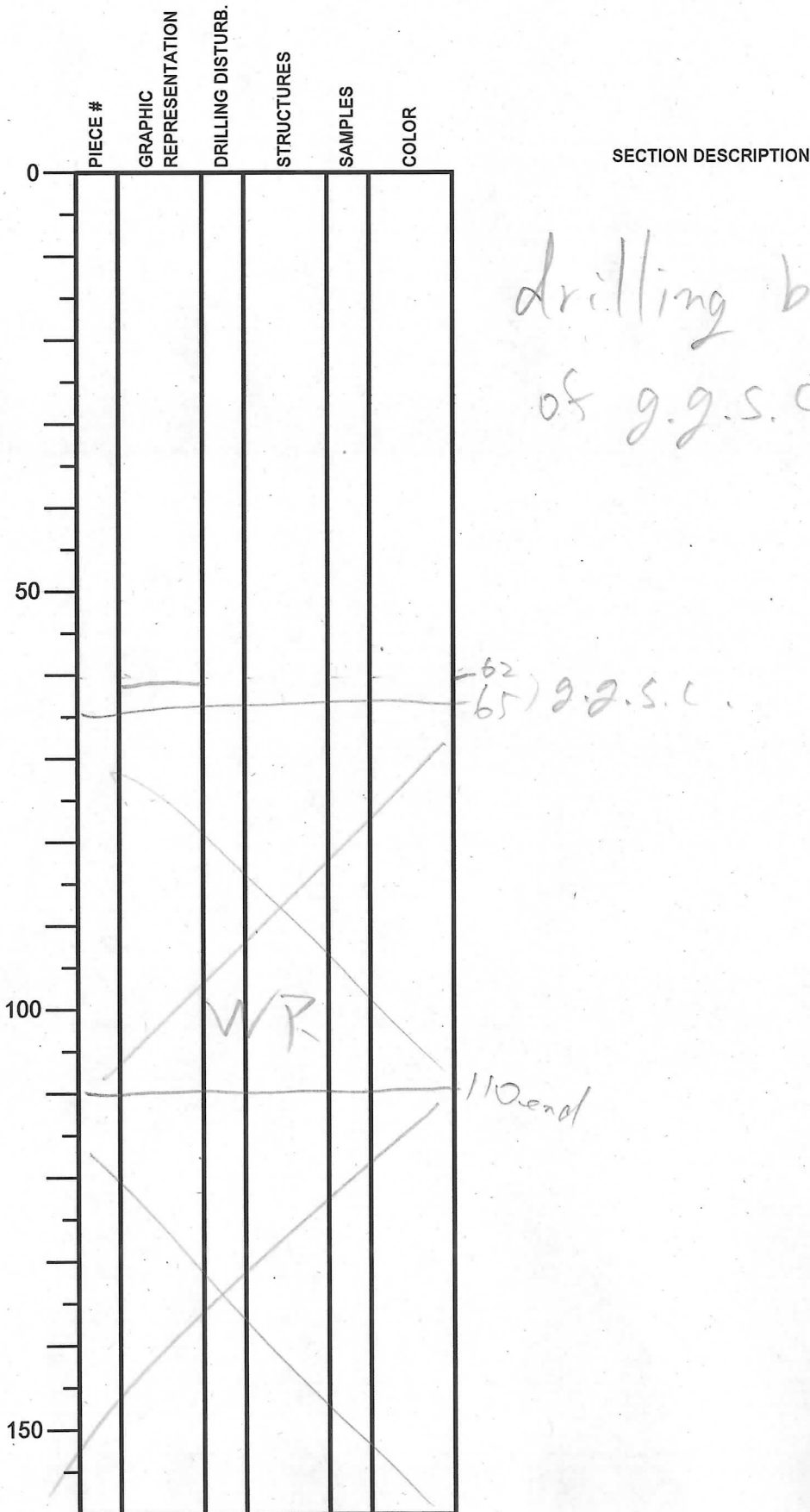
SECTION DESCRIPTION

drilling breccia  
of g.g.s.c.

nodules?  
140 end

# Integrated Ocean Drilling Program Visual Core Description

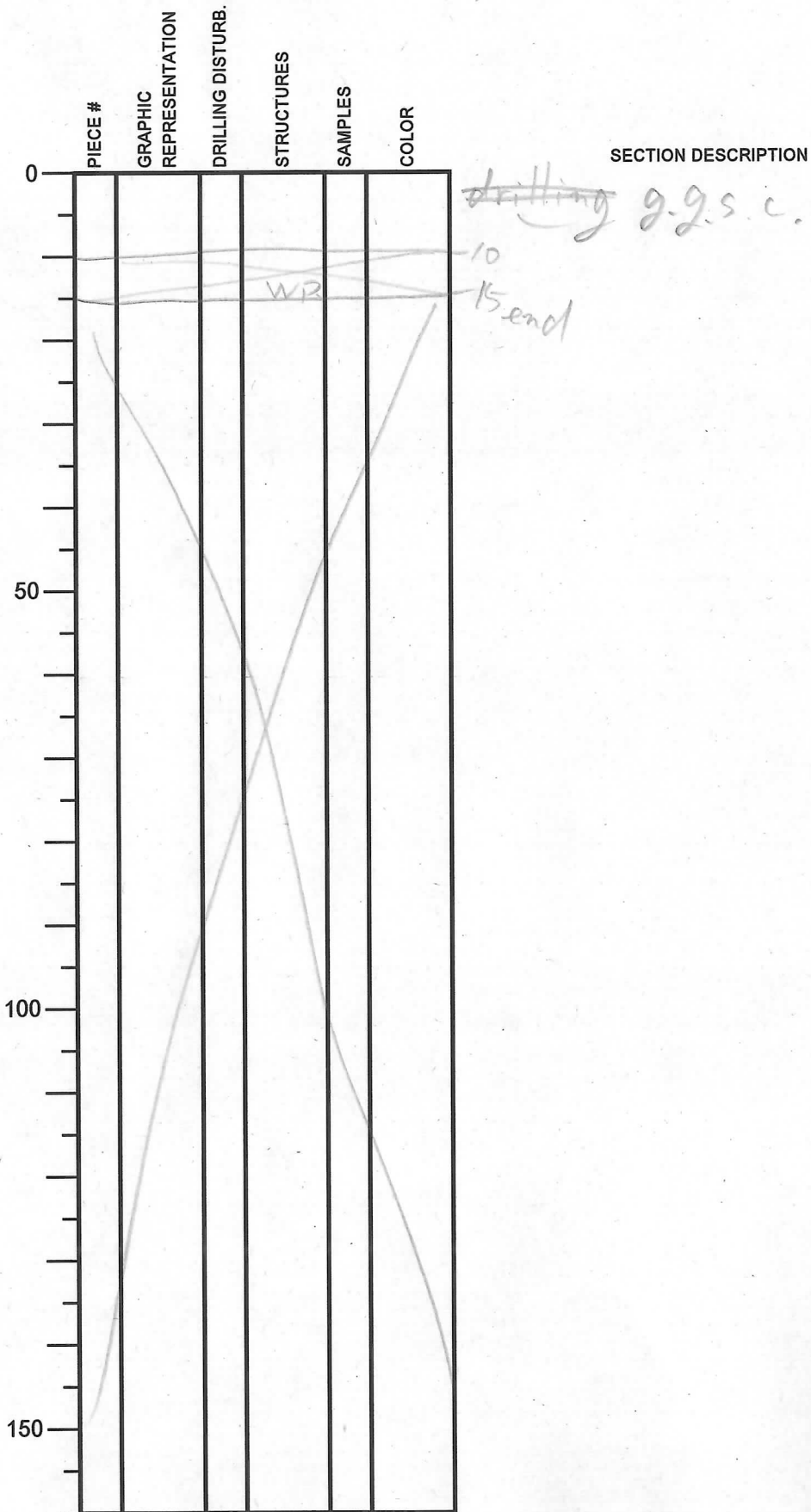
NO.  
 DATE: 9/26/2009  
 EXP.: 322C0012A  
 SITE/HOLE:  
 CORE: 7R  
 SECTION: 5  
 OBSERVER: H. Naruse



# Integrated Ocean Drilling Program

## Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/26/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 7R  
 SECTION: CC  
 OBSERVER: H. Haruse



↑ Heavy  
 bioturb.  
 (6)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/26/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 8R  
 SECTION: 1  
 OBSERVER: H. Naruse

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						GSC
50						20
100						108
150						140 end

SECTION DESCRIPTION

drilling breccia  
 of g.g.s.c.  
 w/ g.s.c.

Intense  
 drill-disturb.



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/26/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 8R  
 SECTION: 2  
 OBSERVER: H. Naruse

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					14	g.s.c.
					27	dark g.s.c.
					39	g.g.s.c.
50					57	w/g.s.c.
					89	
100					102	
					122	
					134	
150					140	end

SECTION DESCRIPTION

↑

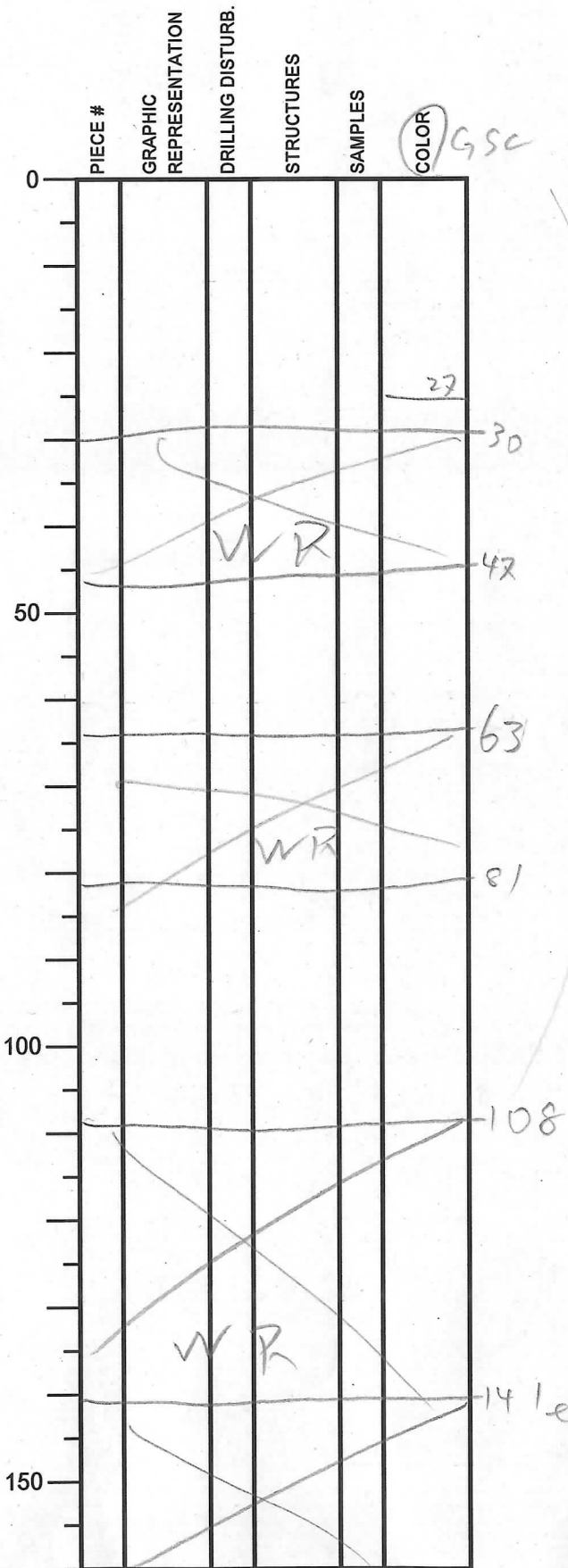
Intense  
sawing  
disturb.

↓



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/26/20 09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 8R  
 SECTION: 3  
 OBSERVER: H. Naruse



SECTION DESCRIPTION

g.g.s.c.

  
 w/g.s.c

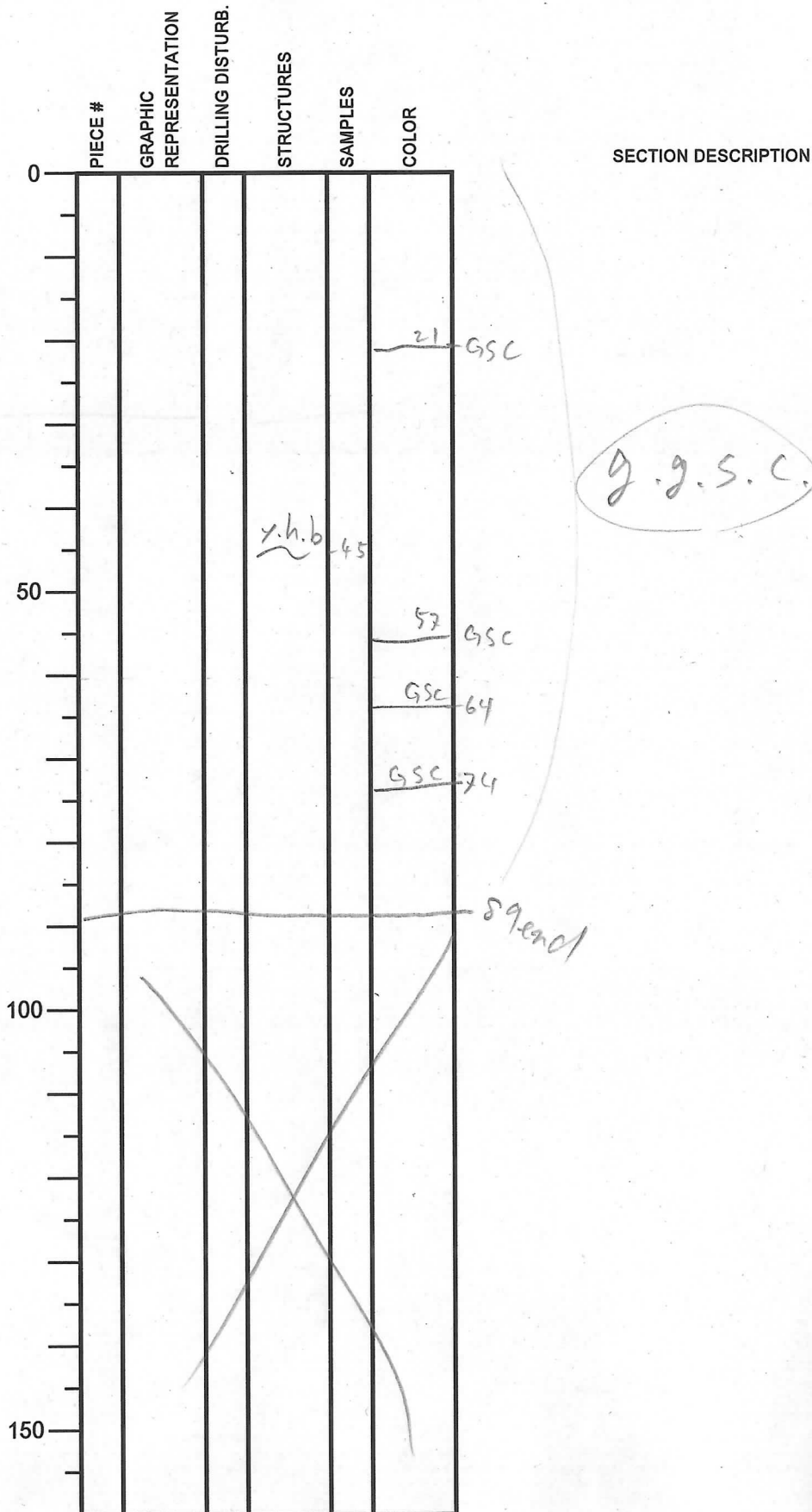
↑

Intense  
Sawing  
disturbance

↓

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/26/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 8R  
 SECTION: 4  
 OBSERVER: H. Naruse

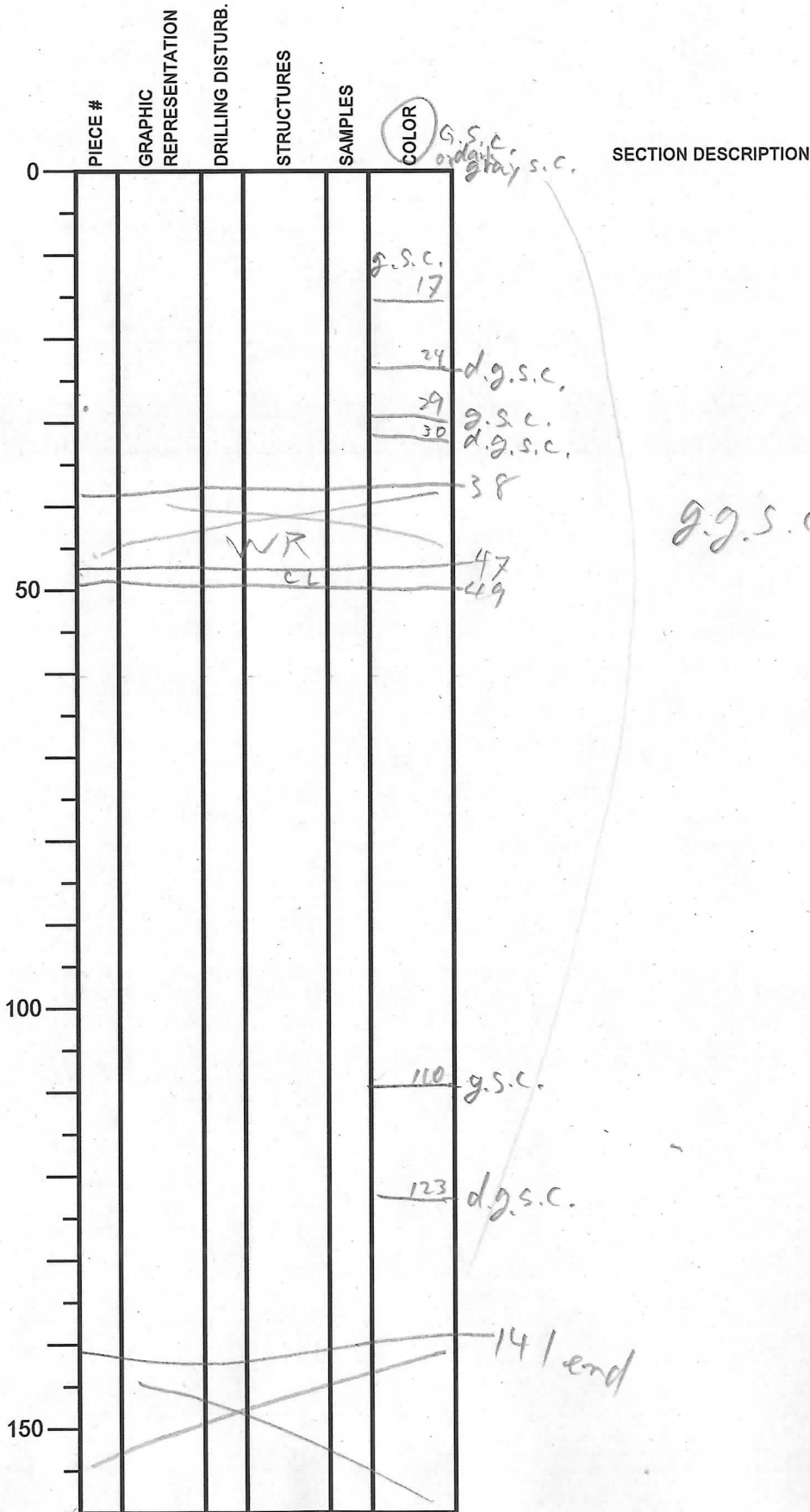


Intense  
 "Sawing"  
 disturbance

# Integrated Ocean Drilling Program

## Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/26/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 8R  
 SECTION: 6  
 OBSERVER: H. Naruse

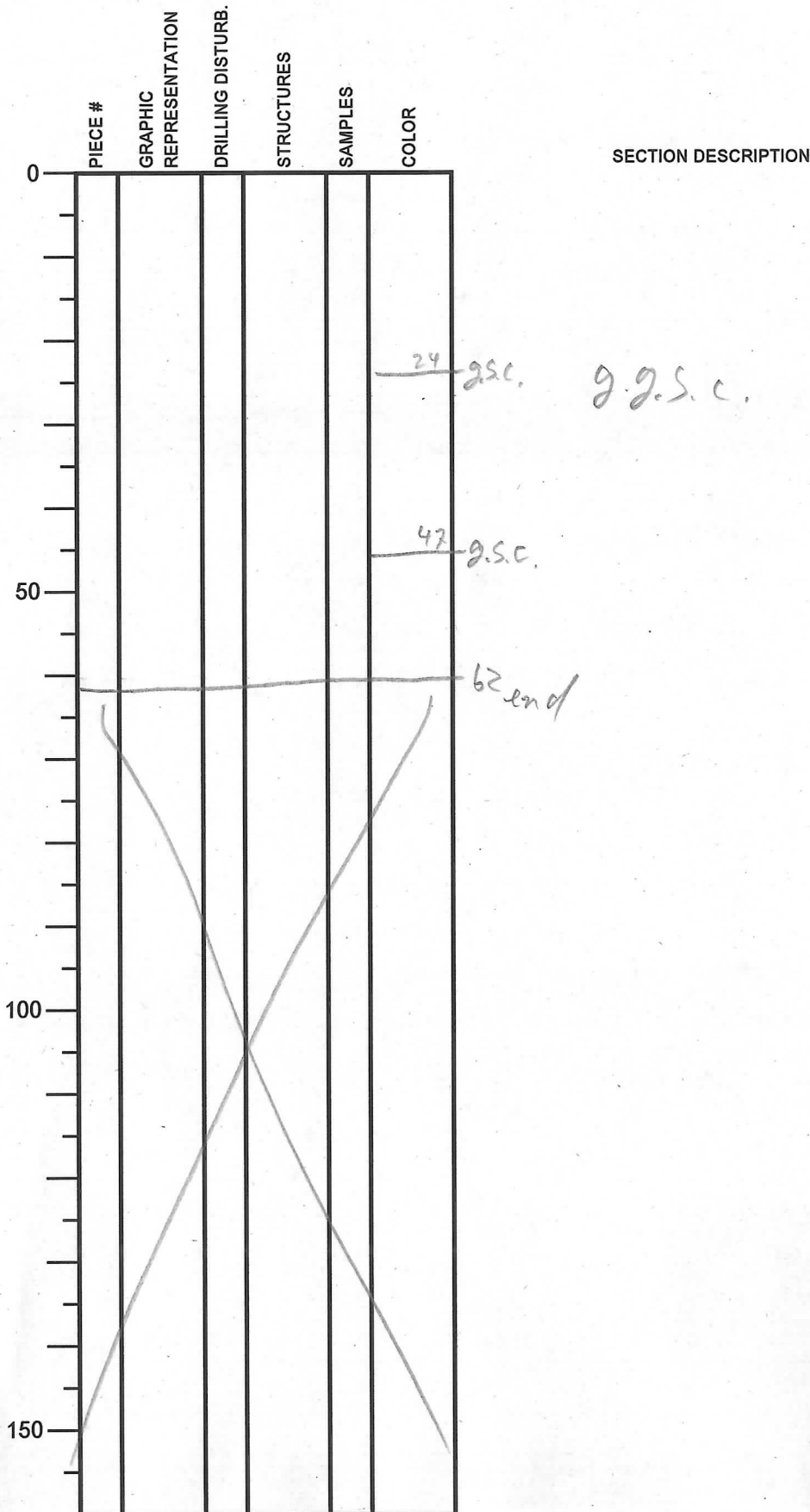


Intense saw disturbance

bioturbation Heavy? (5?)

# Integrated Ocean Drilling Program Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: COO12A  
 CORE: 8B  
 SECTION: 7  
 OBSERVER: H. Naruse



}

Intense saw disturb.

bioturbation heavy? (57.)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/24/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 8R  
 SECTION: CC  
 OBSERVER: H. Naruse

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

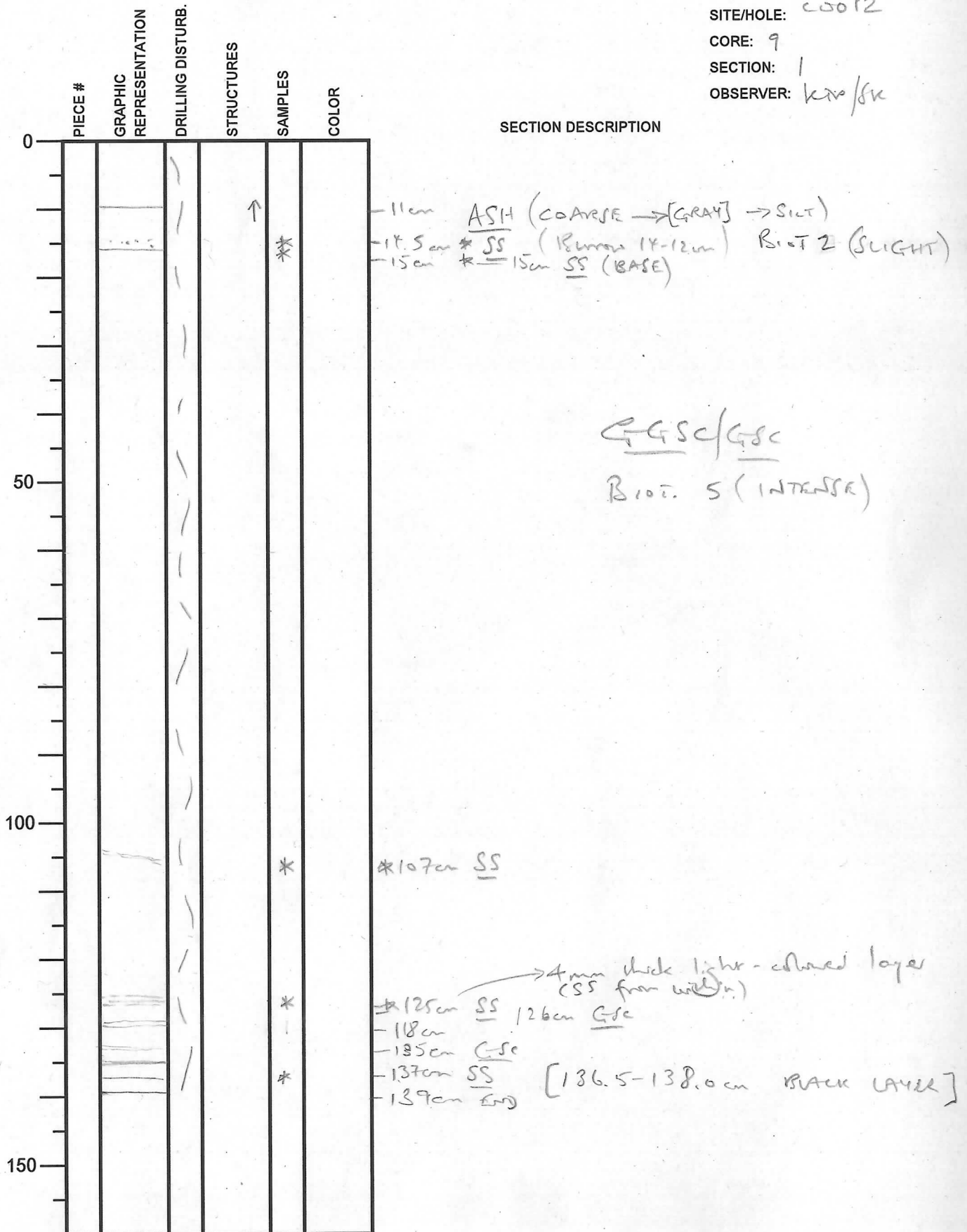
SECTION DESCRIPTION

8 g.s.c. )  
 10.5 ) g.g.s.c.  
 15 )

↑ bioturbation  
 Heavy  
 (5)

# Integrated Ocean Drilling Program Visual Core Description

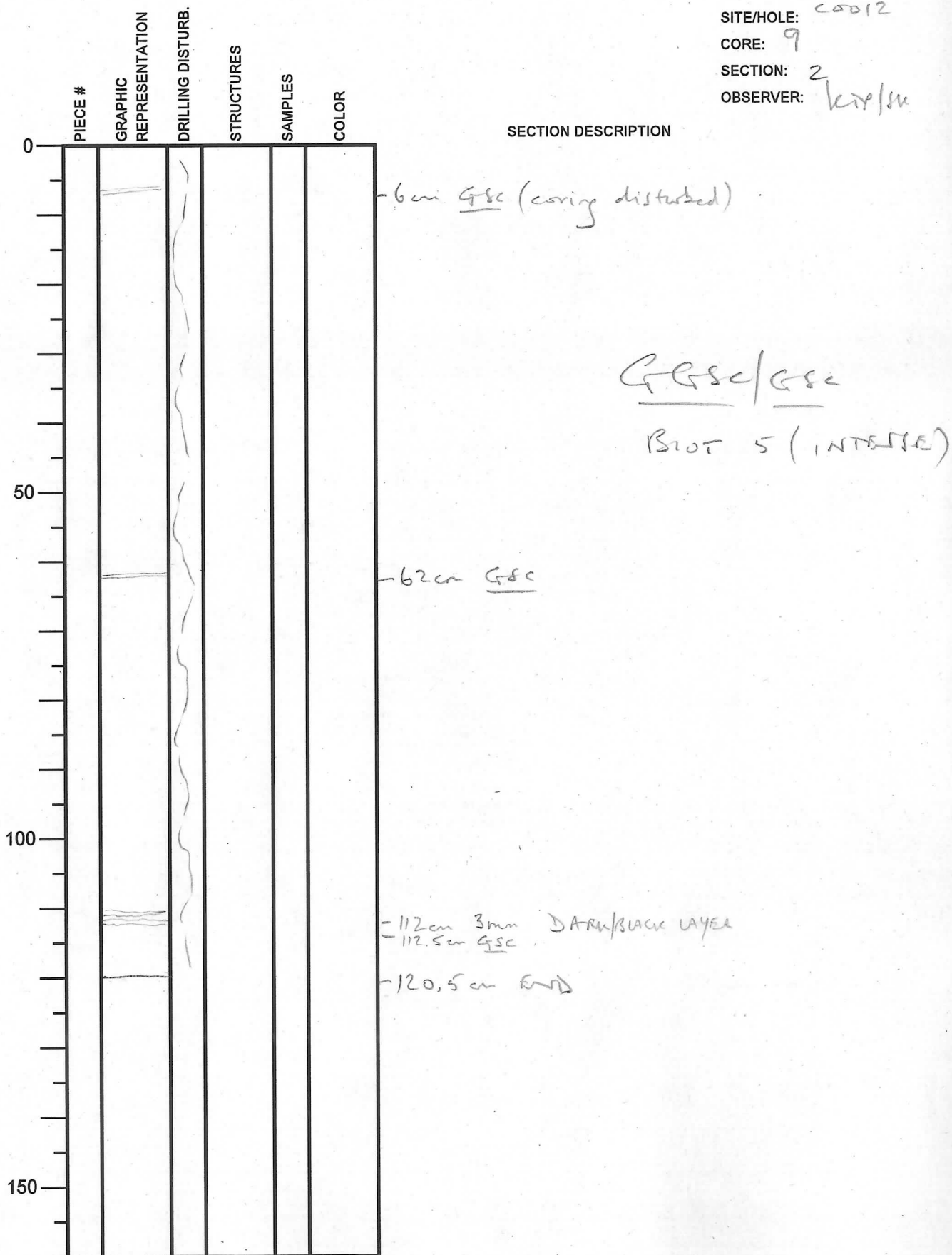
NO.  
DATE: 27/09/20 09  
EXP.: 322  
SITE/HOLE: C0012  
CORE: 9  
SECTION: 1  
OBSERVER: kyo/sk



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 27/01/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 9  
 SECTION: 2  
 OBSERVER: krp/m



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 27/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 9  
 SECTION: 3  
 OBSERVER: kwp/sk

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

SECTION DESCRIPTION

GLSC/GR  
 ROTATION 5 (INTENSE)

20cm GR

41.5cm END



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 27/09/2009

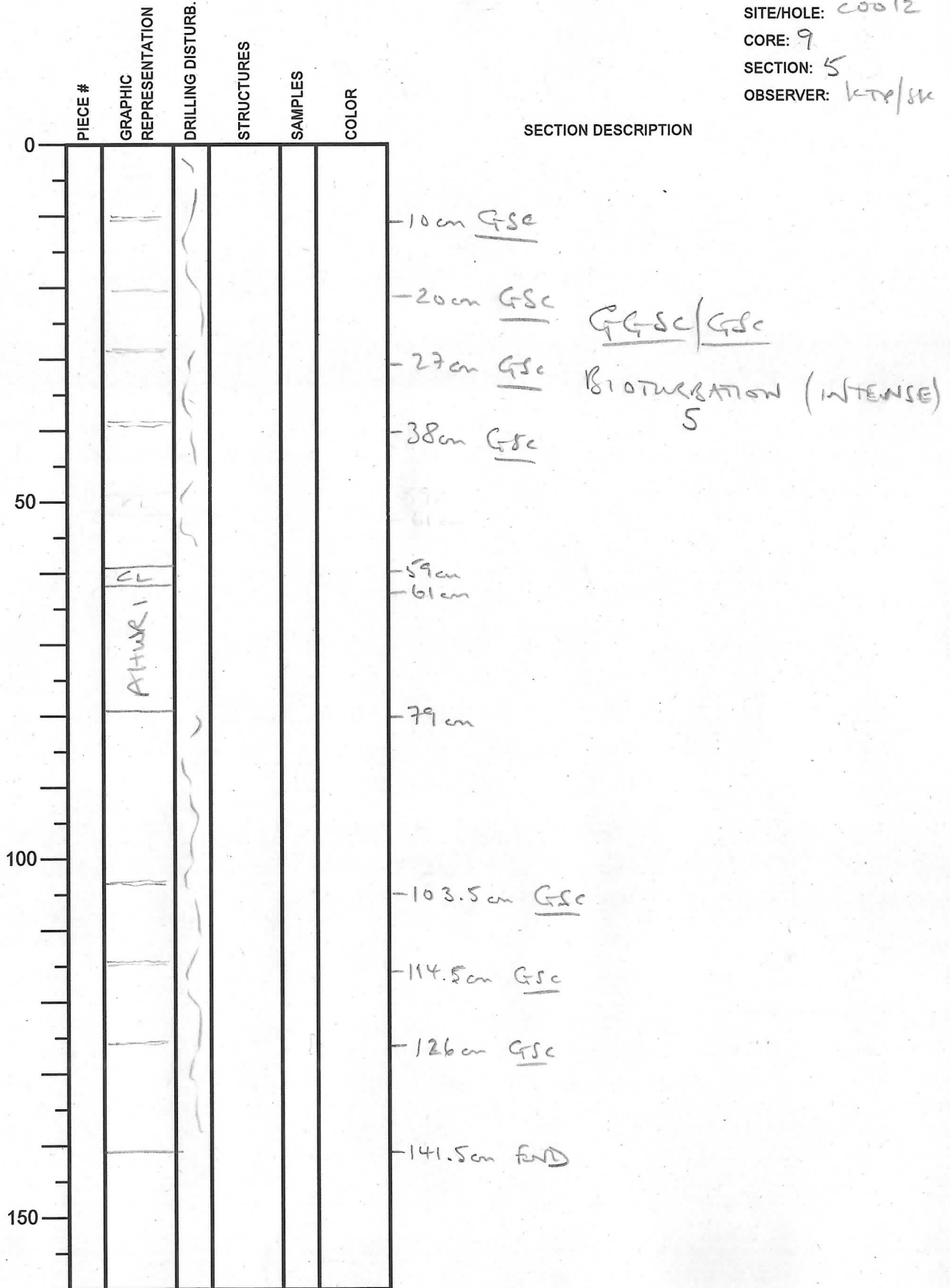
EXP.: 322

SITE/HOLE: C0012

CORE: 9

SECTION: 5

OBSERVER: KTR/SK

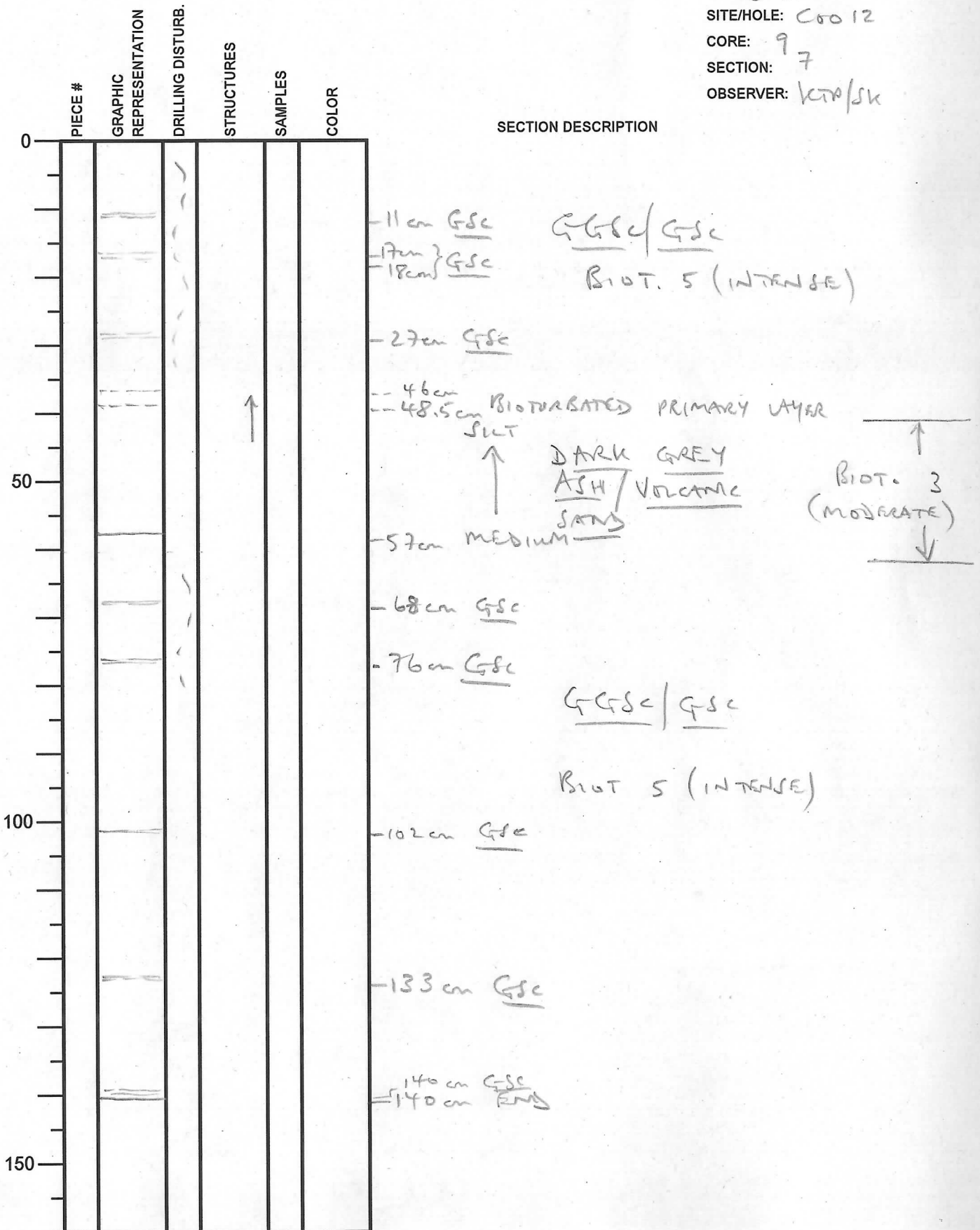




# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 27/07/20 09  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 9  
 SECTION: 7  
 OBSERVER: KTO/SK



# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 2/09/2009

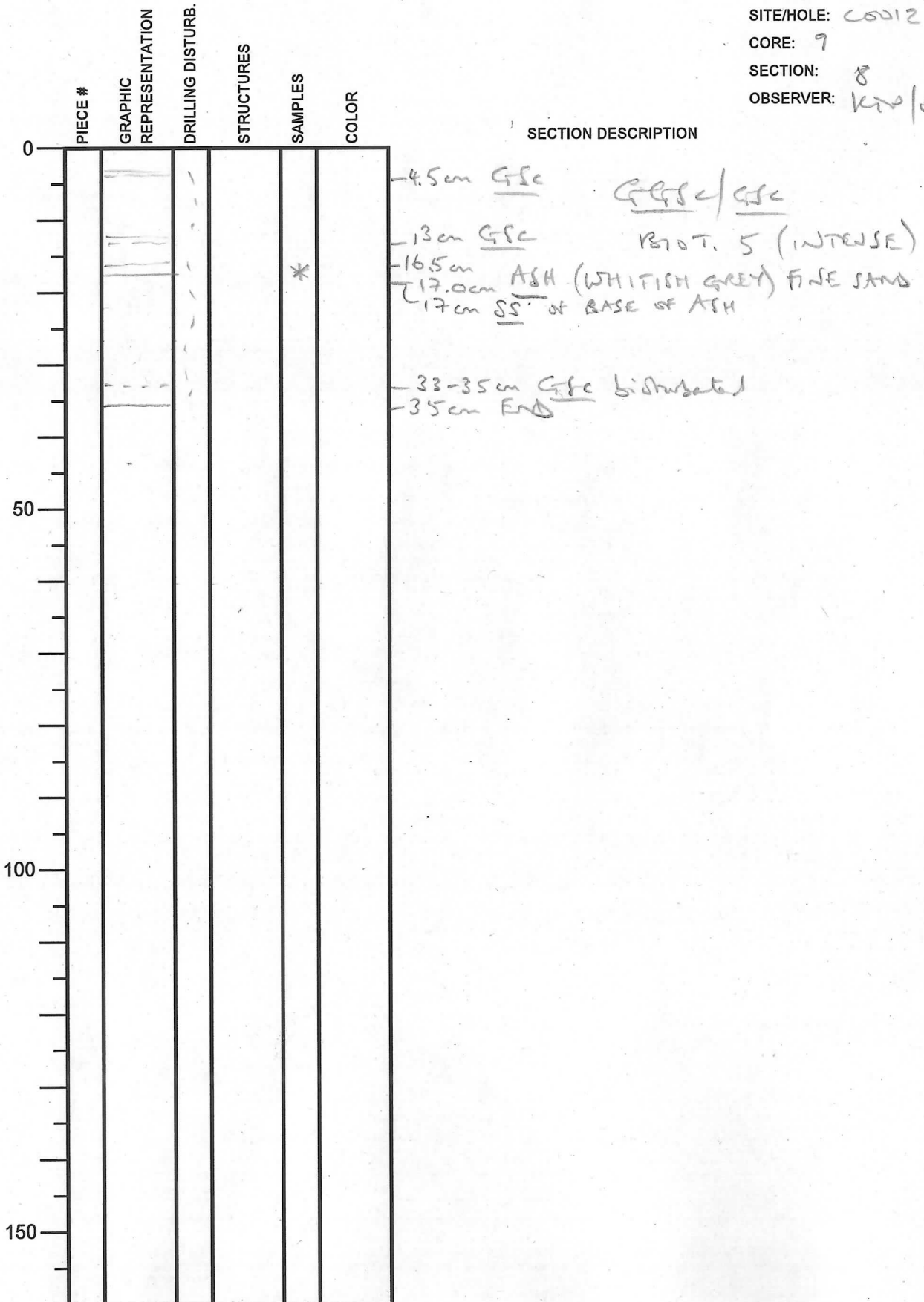
EXP.: 322

SITE/HOLE: C0012

CORE: 9

SECTION: 8

OBSERVER: KTD/ok



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 27/09/20 09

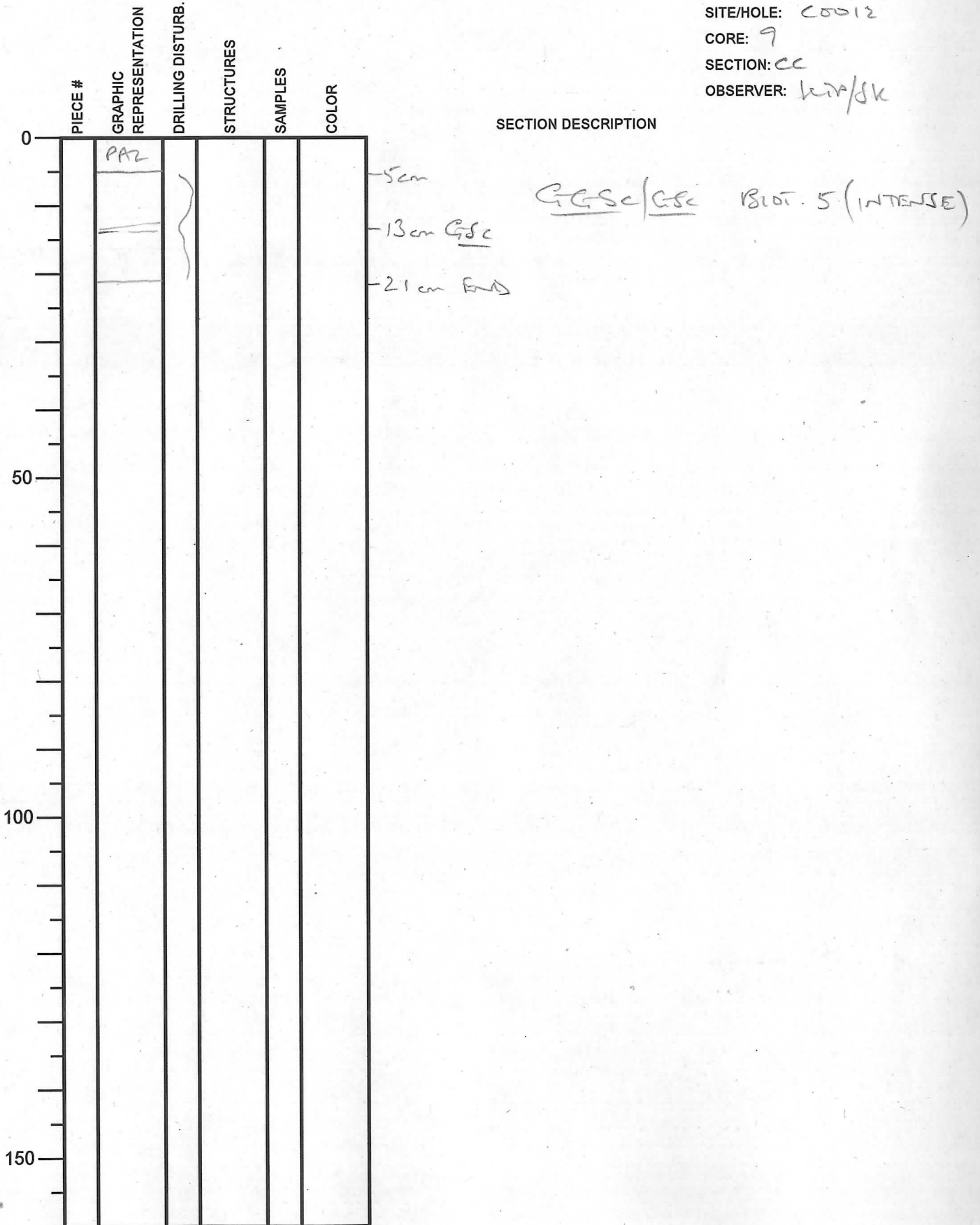
EXP.: 322

SITE/HOLE: C0012

CORE: 9

SECTION: CC

OBSERVER: WJA/SK



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 27/09/09  
 EXP.: 322  
 SITE/HOLE: C5012  
 CORE: 10  
 SECTION: 1  
 OBSERVER: KVV/SK

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

SECTION DESCRIPTION

GSC / GSC  
 BIOTURBATION 5 (INTENSE)

-22.0cm GSC

-61cm SULPHIDE/ORGANICS? LINED  
 REVERSE

1.5cm  
 0.5cm

If originally circular ⇒  
 compaction of 3:1 @ this depth

-94.0cm GSC

-112.0cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 27/01/2009

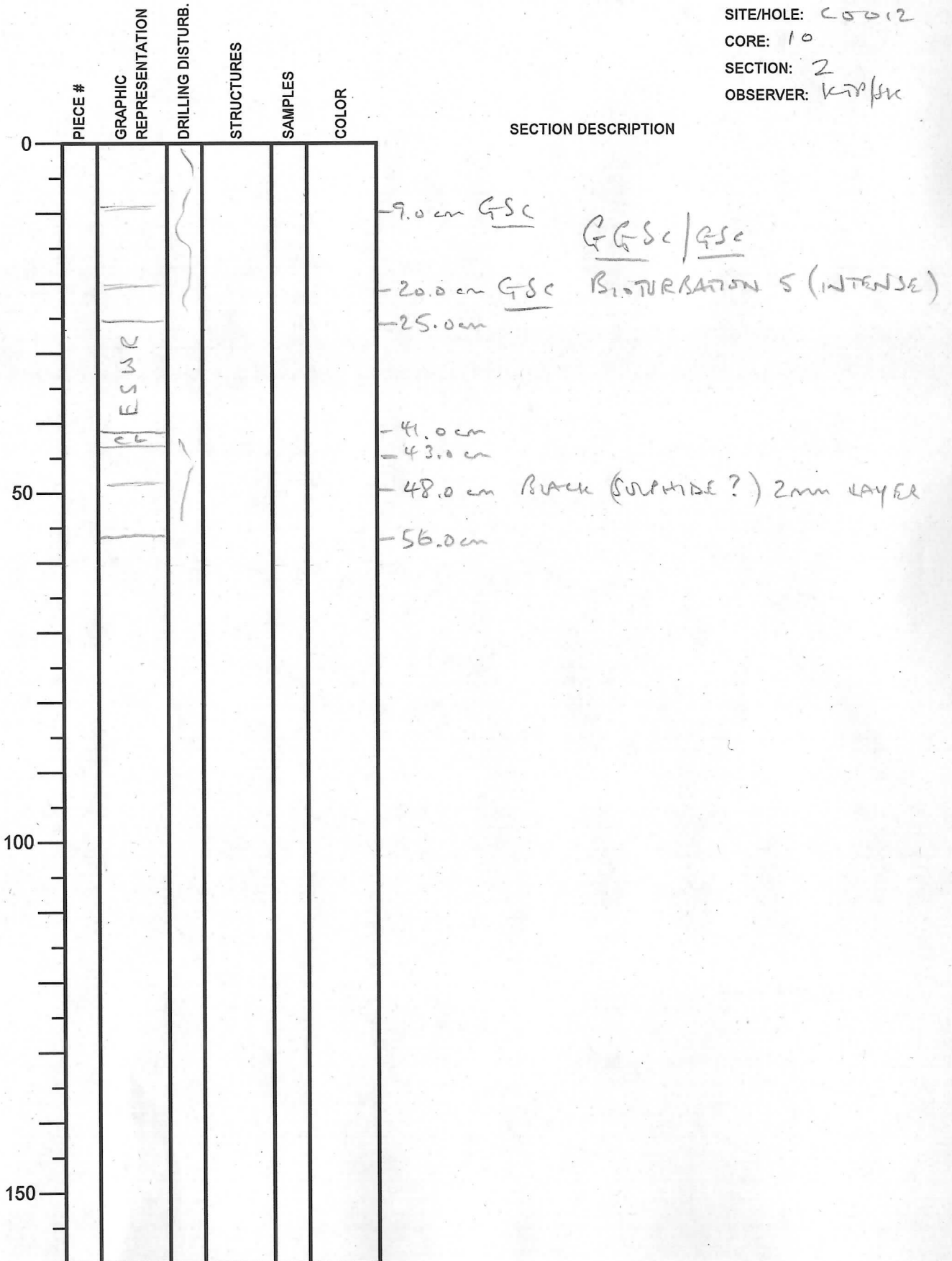
EXP.: 322

SITE/HOLE: C0012

CORE: 10

SECTION: 2

OBSERVER: KTR/SK



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 27/09/2009

EXP.: 322

SITE/HOLE: C0012

CORE: 10

SECTION: 4

OBSERVER: KDP/CK

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

SECTION DESCRIPTION

GSC / GSC  
 BIOTURBATION 5  
 (INTENSE)

- 41cm OCTRE BURROW

- GSC 68cm

- 87.5cm GSC

- 126cm } GSC with octre burrow in middle.  
 - 130cm }

- 141.0cm END



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 27/09/2009

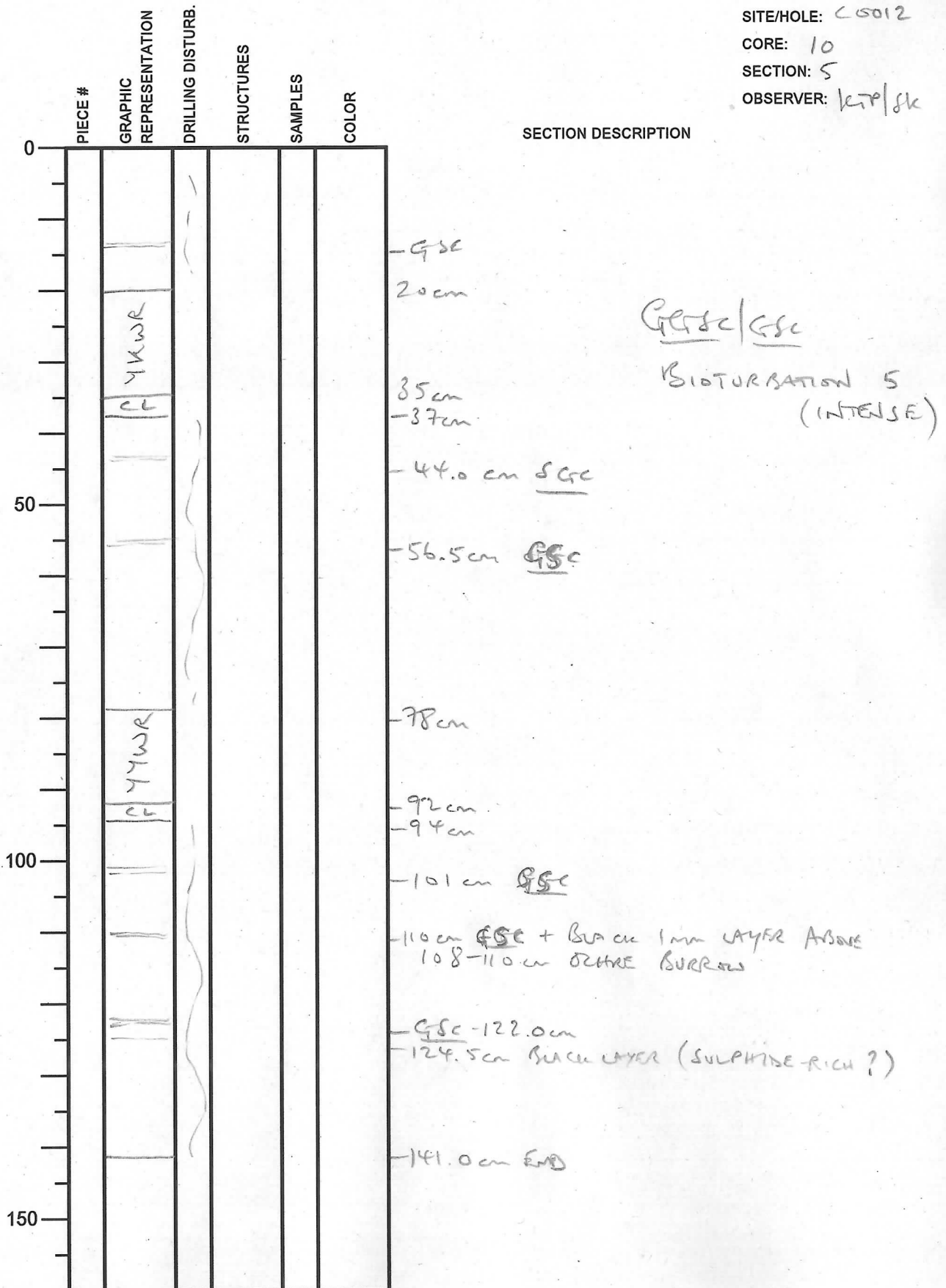
EXP.: 322

SITE/HOLE: C5012

CORE: 10

SECTION: 5

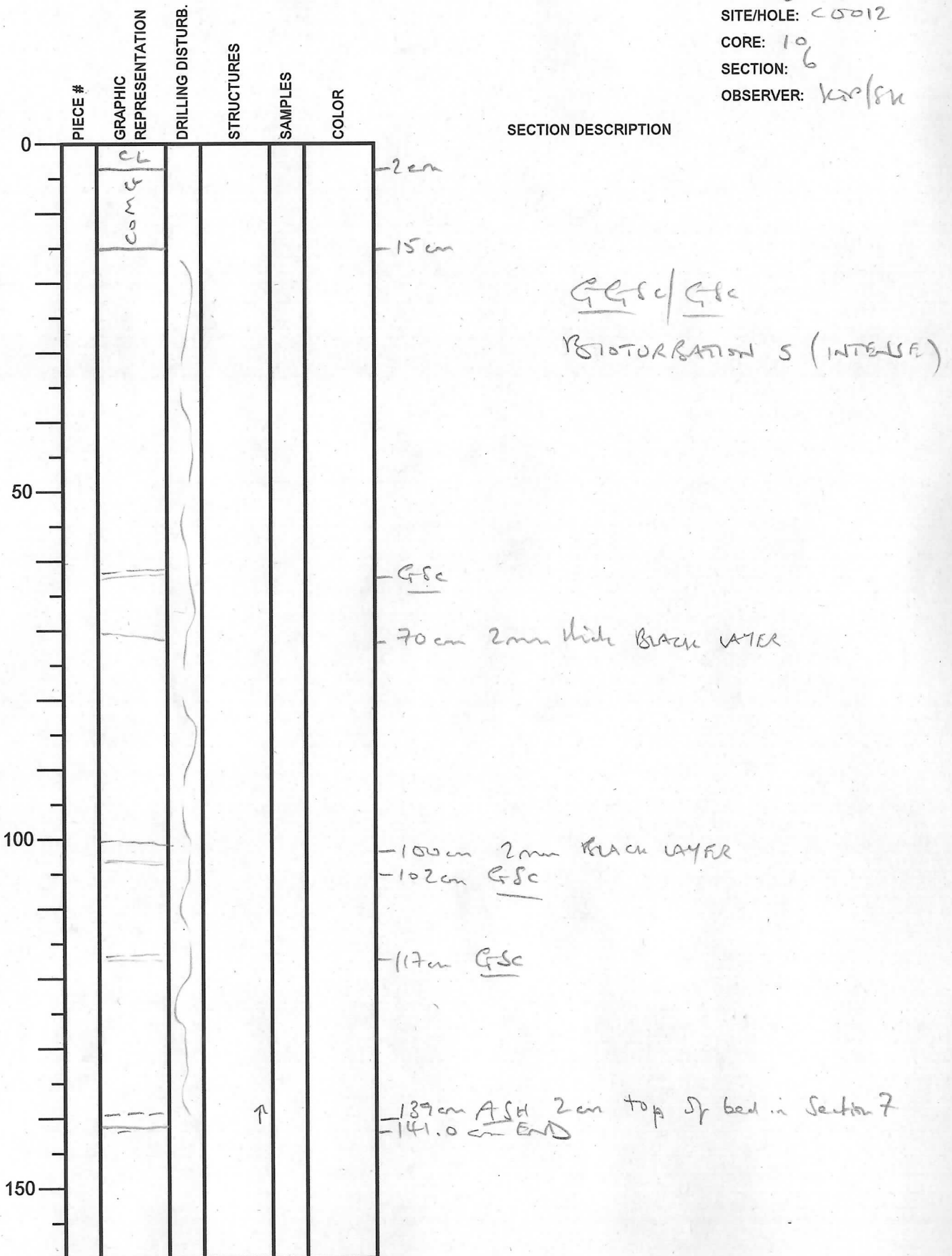
OBSERVER: ktp/sk



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 2/15/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 10  
 SECTION: 6  
 OBSERVER: KAP/SK



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 2/2/09

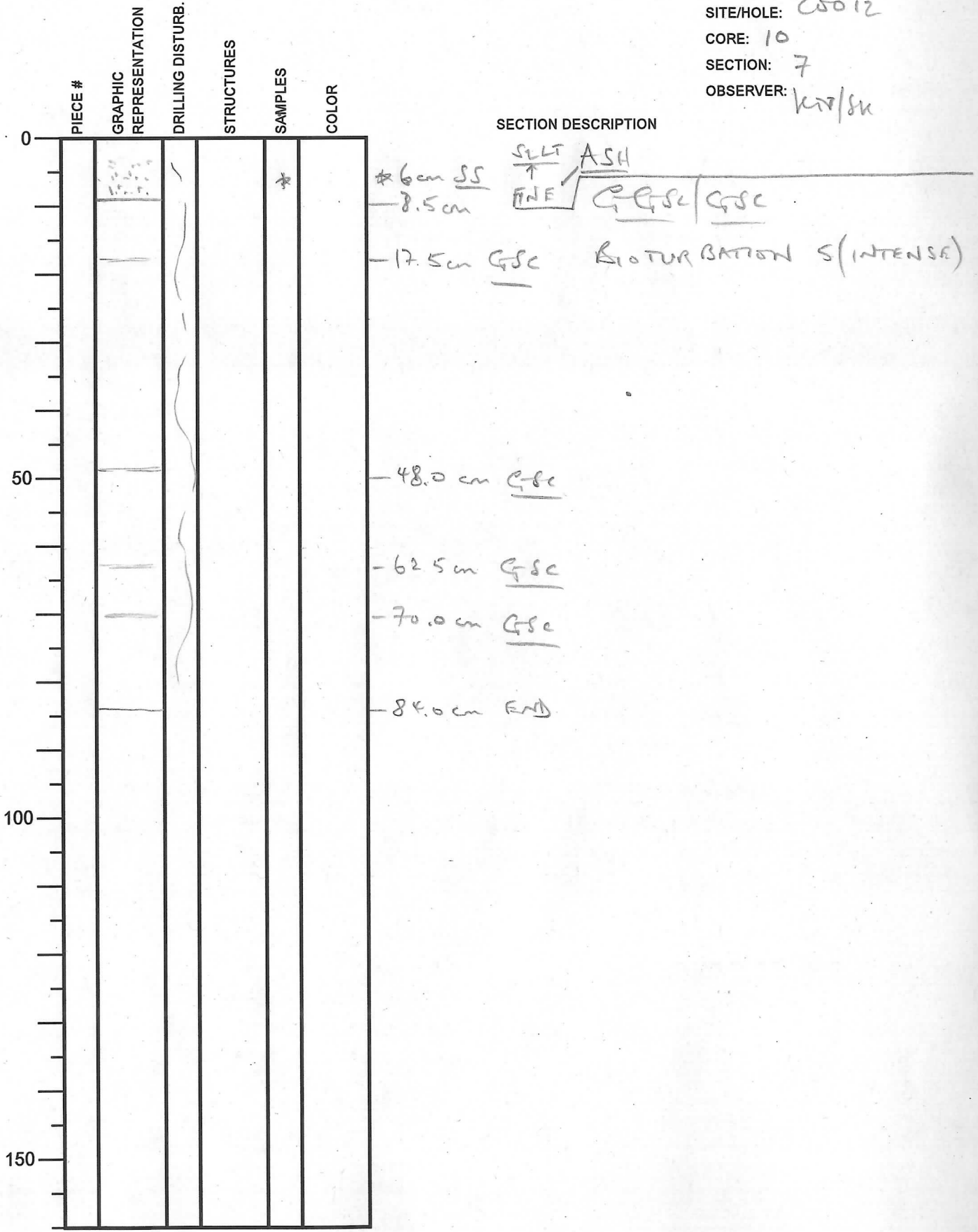
EXP.: 322

SITE/HOLE: C0012

CORE: 10

SECTION: 7

OBSERVER: KTW/SK



# Integrated Ocean Drilling Program

## Visual Core Description

NO:  
 DATE: 27/01/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 10  
 SECTION: CC  
 OBSERVER: KTR/SK

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

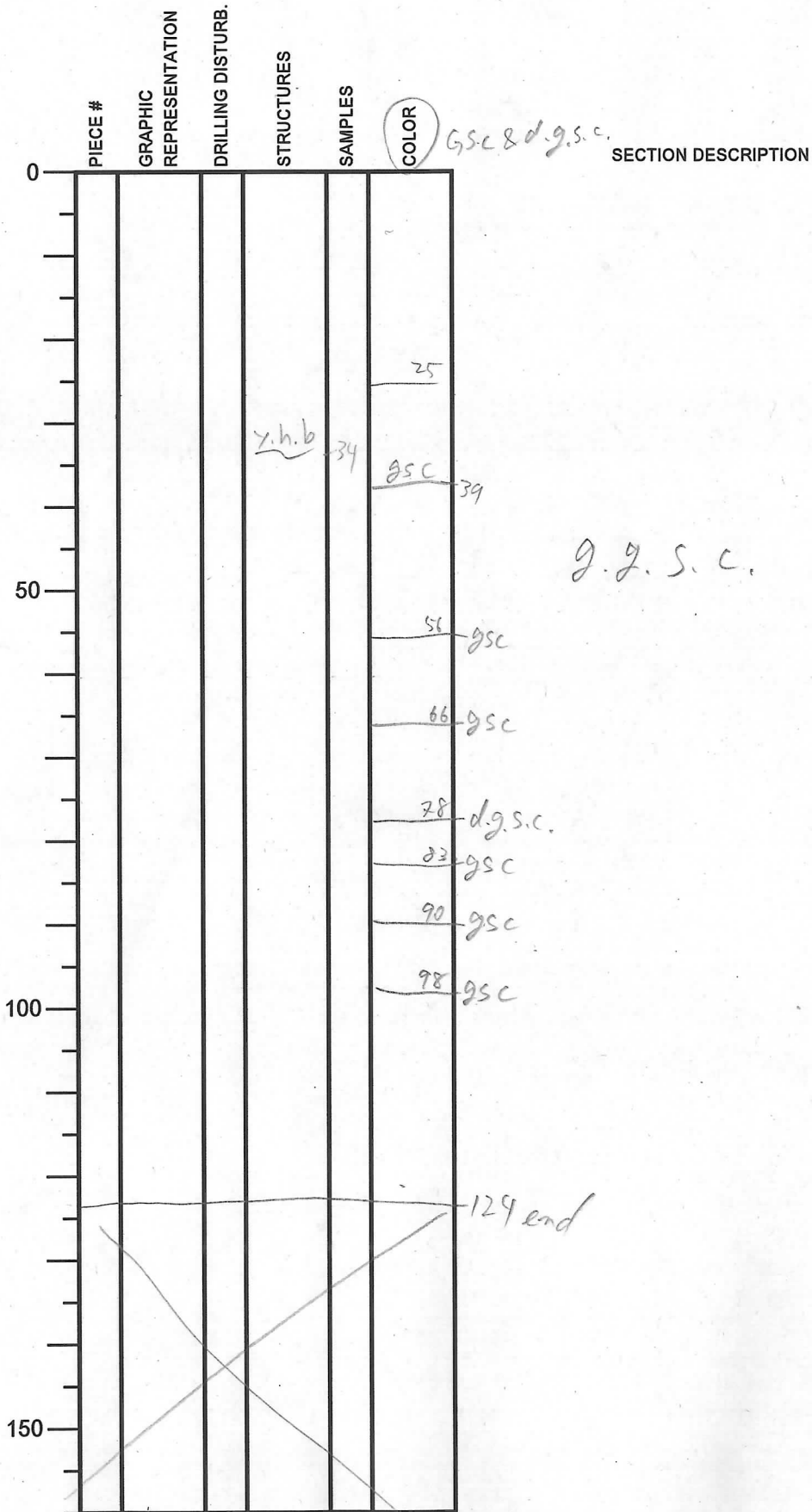
**SECTION DESCRIPTION**

GGS2/GSC  
 BIOTURBATION 5 (INTENSE)

-7.5cm  
 -12.5cm

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 27/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 11R  
 SECTION: /  
 OBSERVER: H. Naruse

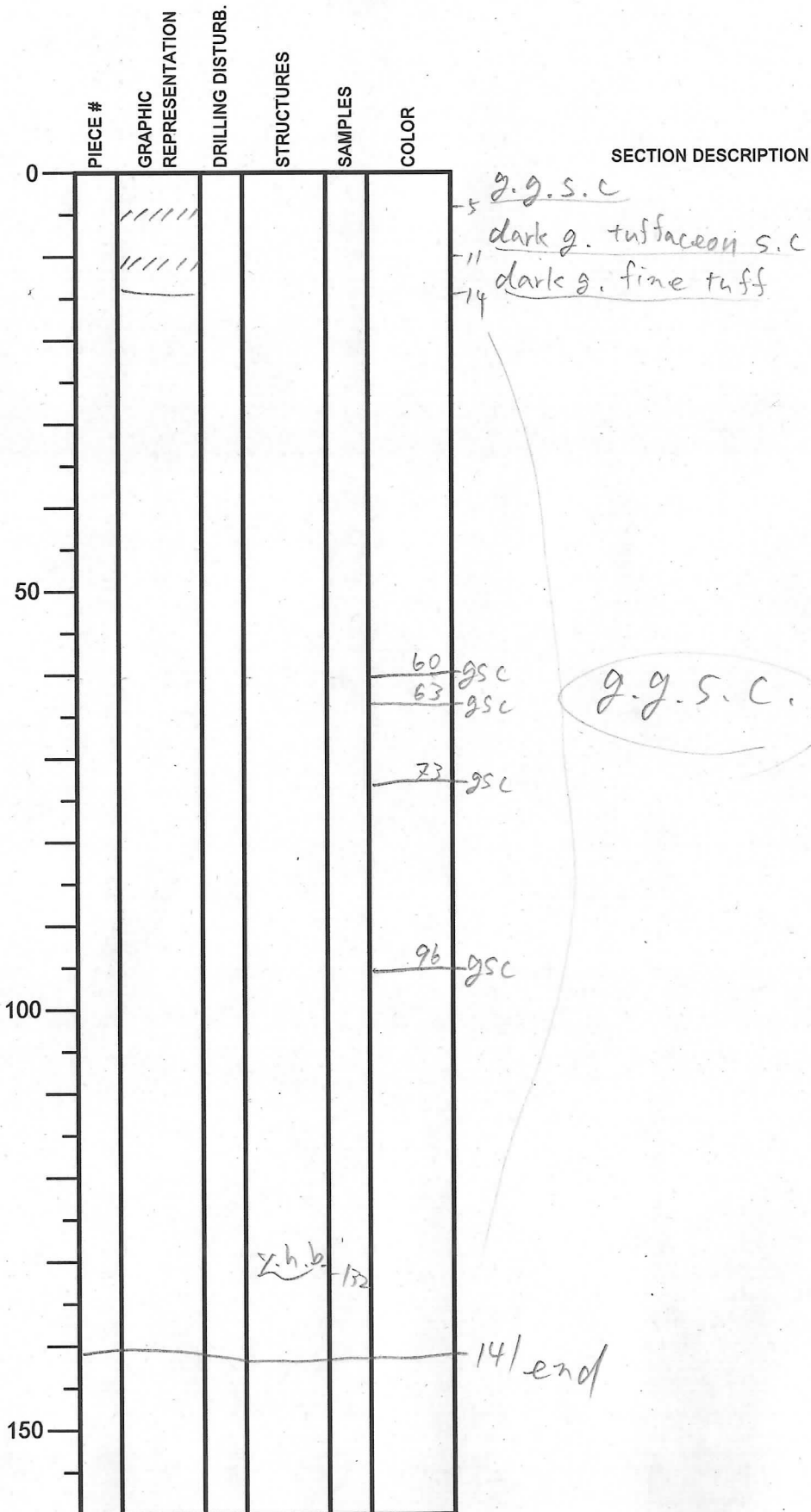


Intense  
bioturb.  
(5)

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C00124  
 CORE: 11R  
 SECTION: 2  
 OBSERVER: H. Naruse

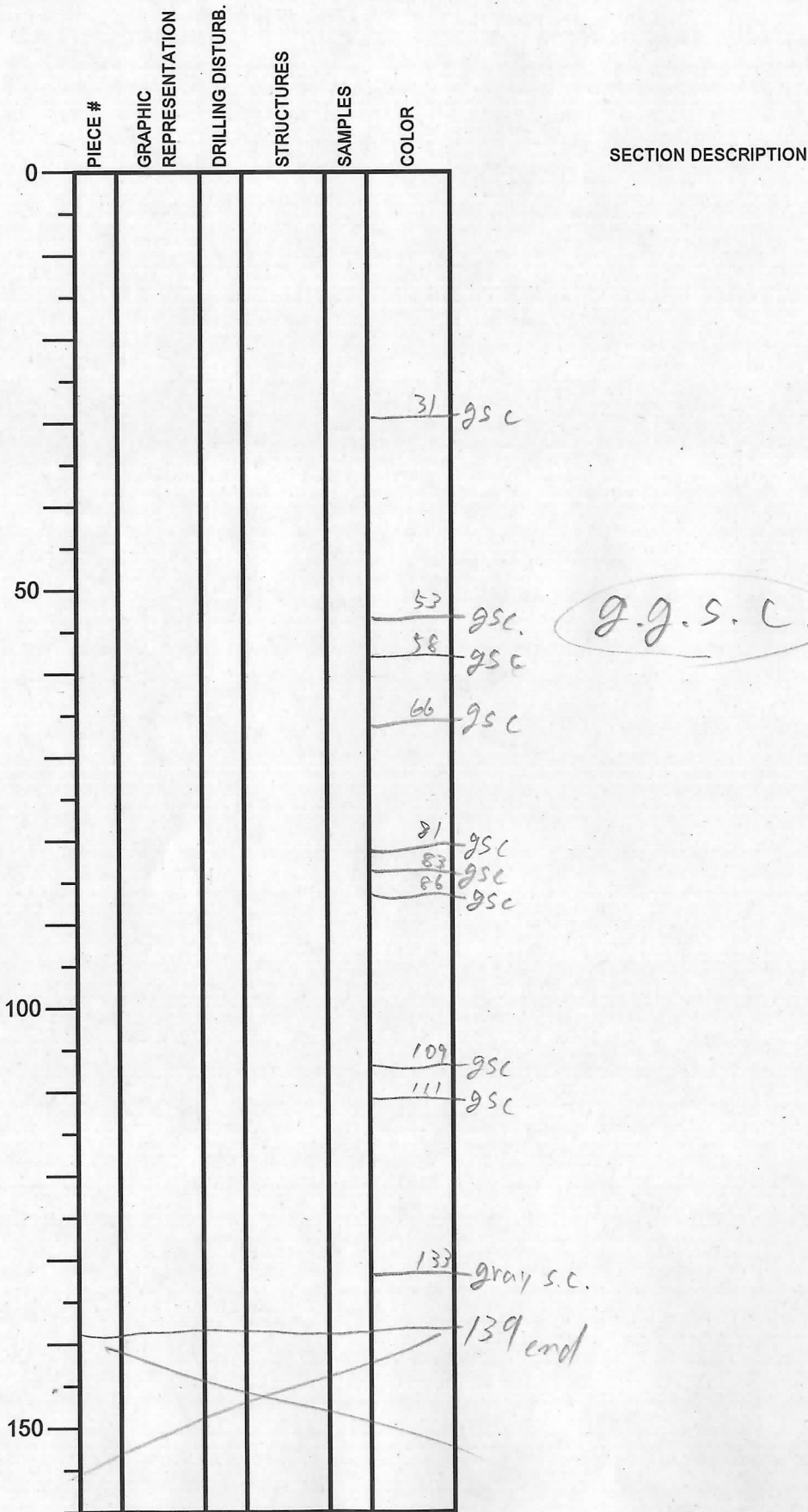


Heavy  
bioturb.  
(5)

Intense  
saw  
disturb.

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 11R  
 SECTION: 3  
 OBSERVER: H. Naruse

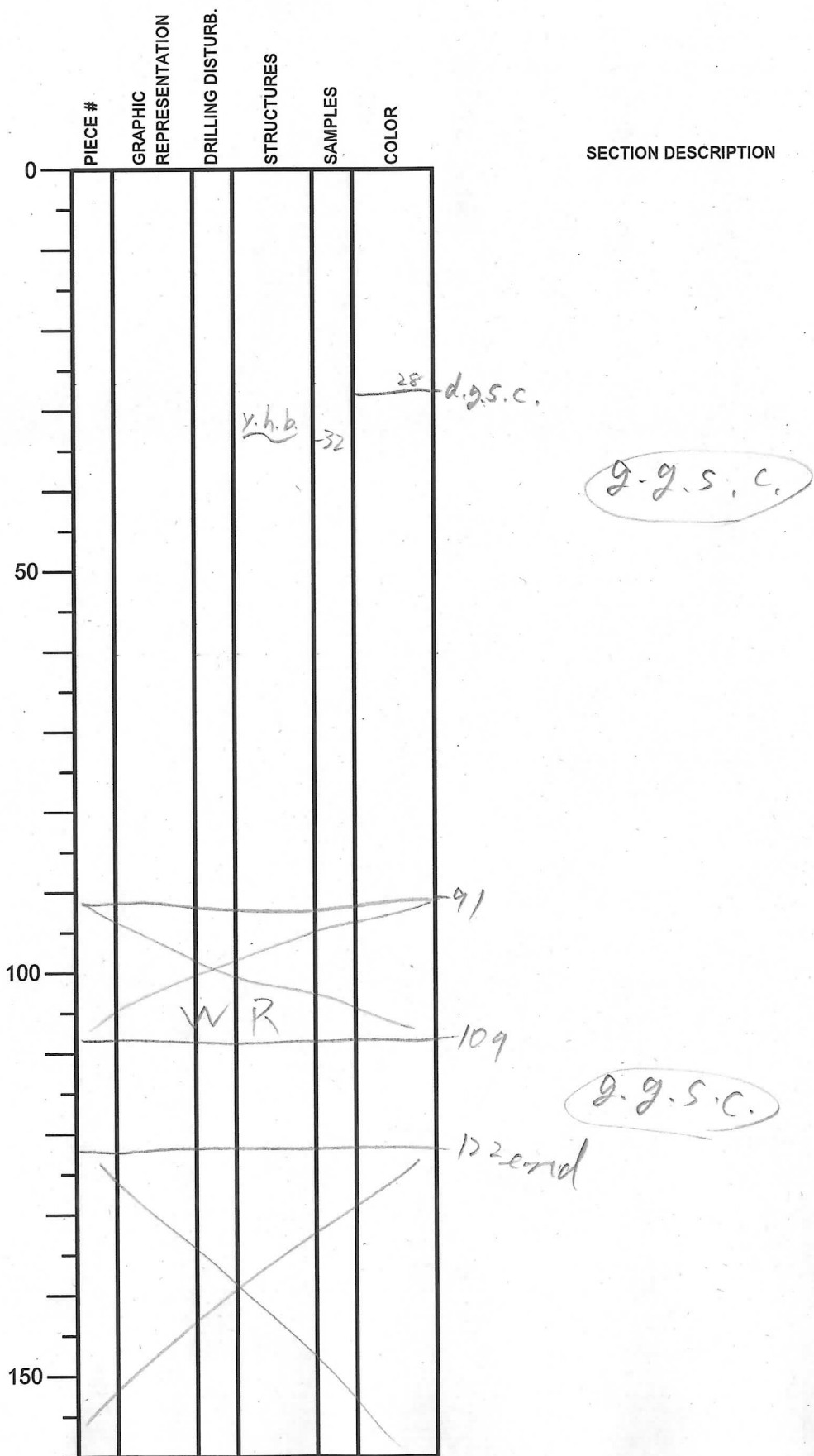


Heavy bioturb. (S)



# Integrated Ocean Drilling Program Visual Core Description

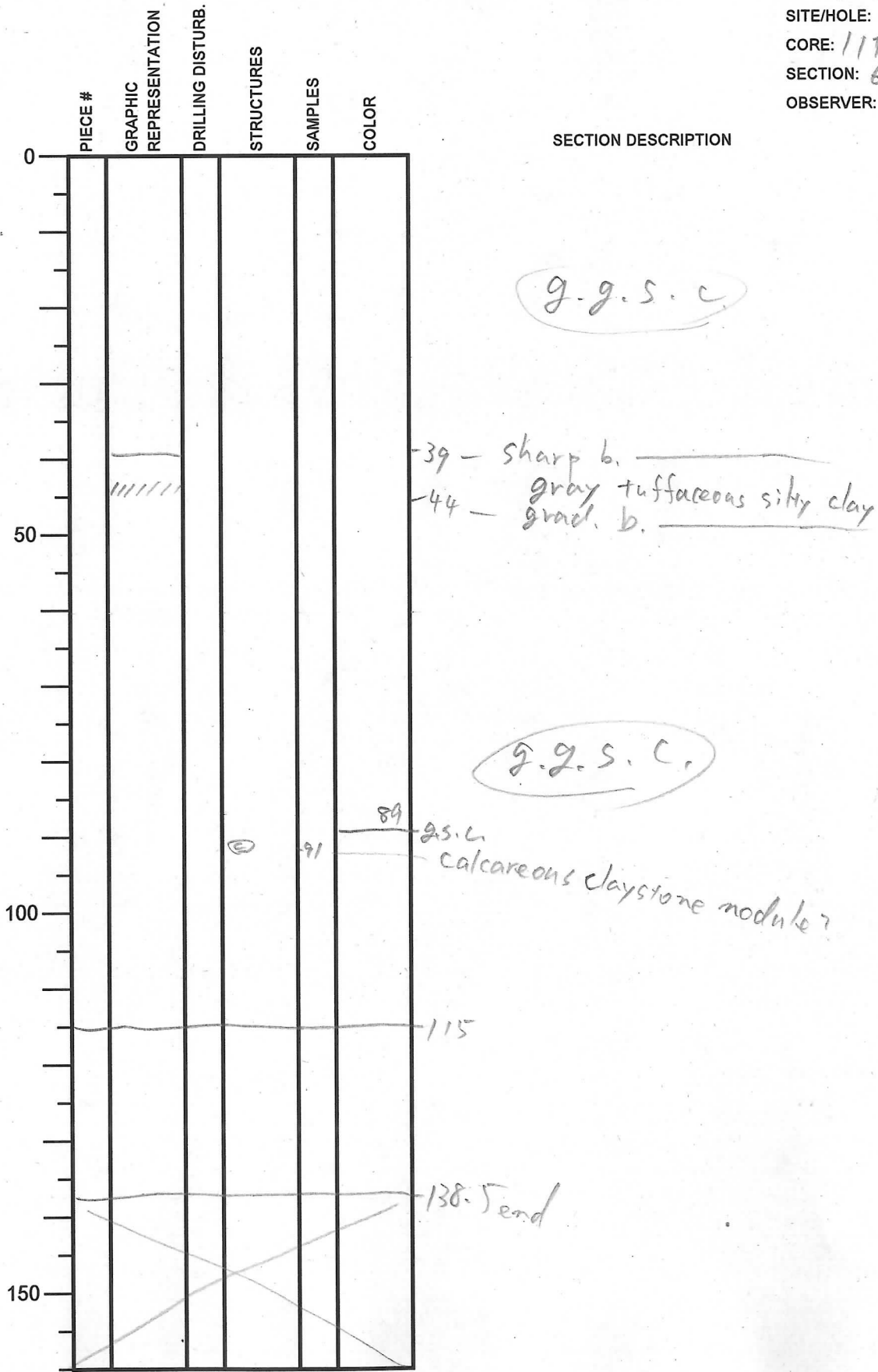
NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 11R  
 SECTION: 5  
 OBSERVER: H. Naruse





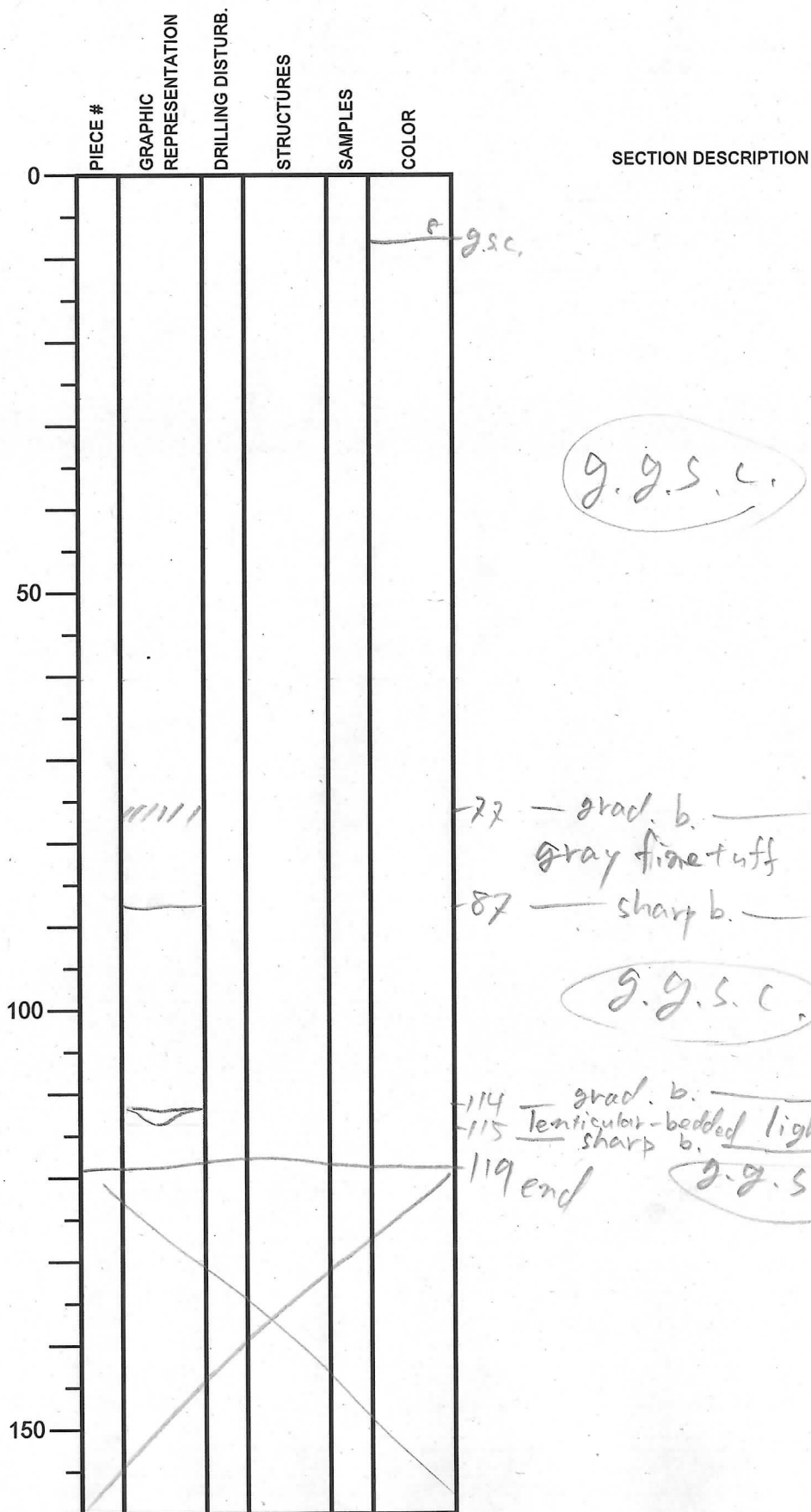
# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 11R  
 SECTION: 6  
 OBSERVER: H. Maruse



# Integrated Ocean Drilling Program Visual Core Description


NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 11R  
 SECTION: 7  
 OBSERVER: H. Naruse



Heavy bioturbation (5)  
 slight (1)  
 Heavy bioturbation (5)  
 (altered nannofossils)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/29/2009  
 EXP.: 322  
 SITE/HOLE: C001214  
 CORE: 11R  
 SECTION: 8  
 OBSERVER: H. Naruse

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

SECTION DESCRIPTION

2 g.g.s.c. grad. b. —  
 4 dark gray coarse ash grad. b. —

g.g.s.c.

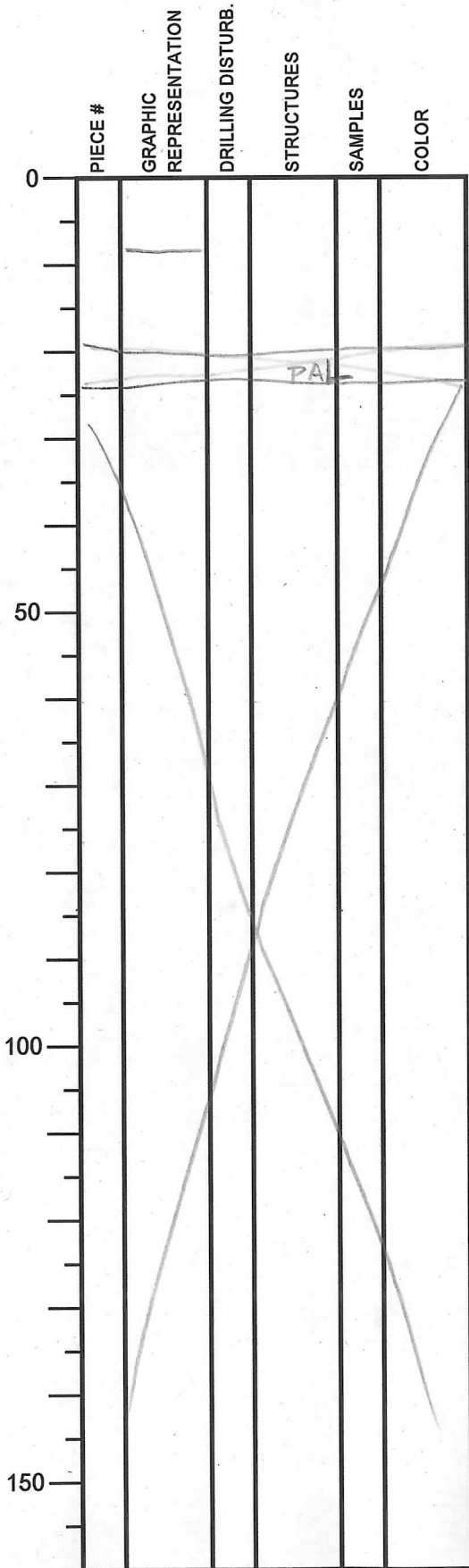
↑ Heavy  
bioturb.  
(5)  
↓

47

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/29/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 11R 121  
 SECTION: CC  
 OBSERVER: H. Naruse



SECTION DESCRIPTION

tuffaceous sandy clay  
 — 8 — Sharp b. —  
 (g. g. s. c.)  
 — 19 — PAL —  
 — 29 — end —

# Integrated Ocean Drilling Program Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 12R  
 SECTION: \_\_\_\_\_  
 OBSERVER: H. Naruse

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

SECTION DESCRIPTION

g.g.s.c.

44 gsc.

92 end

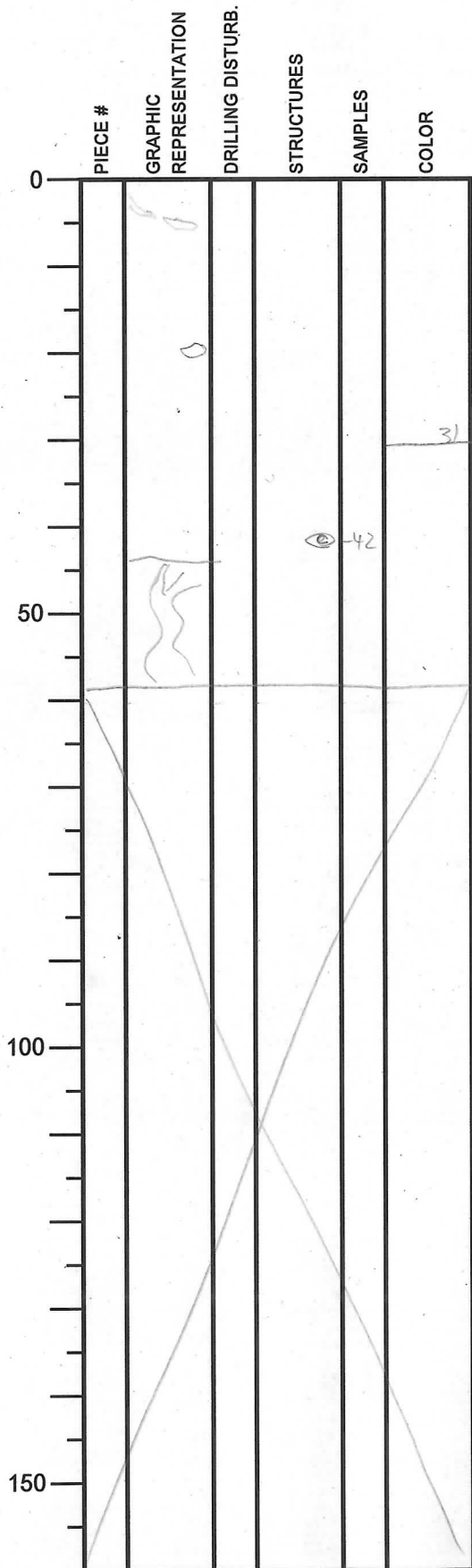
Intense sawing disturb.

Heavy bioturbation (5?)



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 09/28/2009  
 EXP.: 322  
 SITE/HOLE: 20012A  
 CORE: 12R  
 SECTION: 2  
 OBSERVER: HW/PS

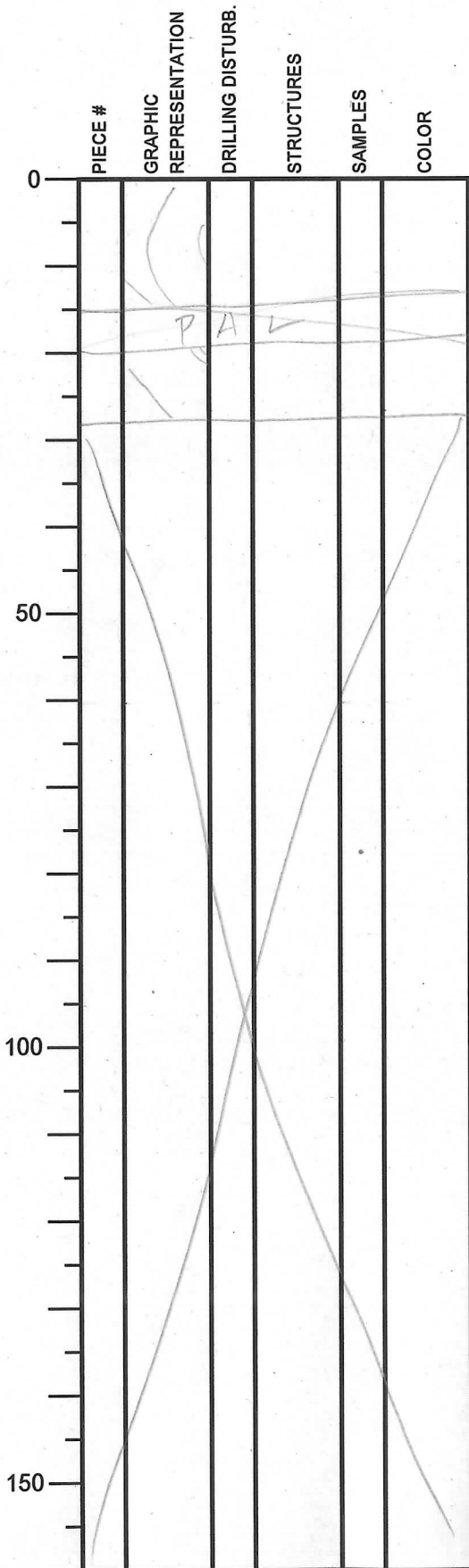


SECTION DESCRIPTION

4 — grad. b. ————— g.g.s.c.  
 5 — grad. b. <sup>intensely</sup> bioturbated dark g. ash  
 20 dark g. ash.  
 g.g.s.c.  
 31 — gsc  
 light yellow  
 lime-mudstone burrows  
 43 — sharp b. —————  
 Chaotic deposit  
 59 end mixture of g.g.s.c and green-gray  
 tuffaceous sand.

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 12R  
 SECTION: CC  
 OBSERVER: H. Haruse



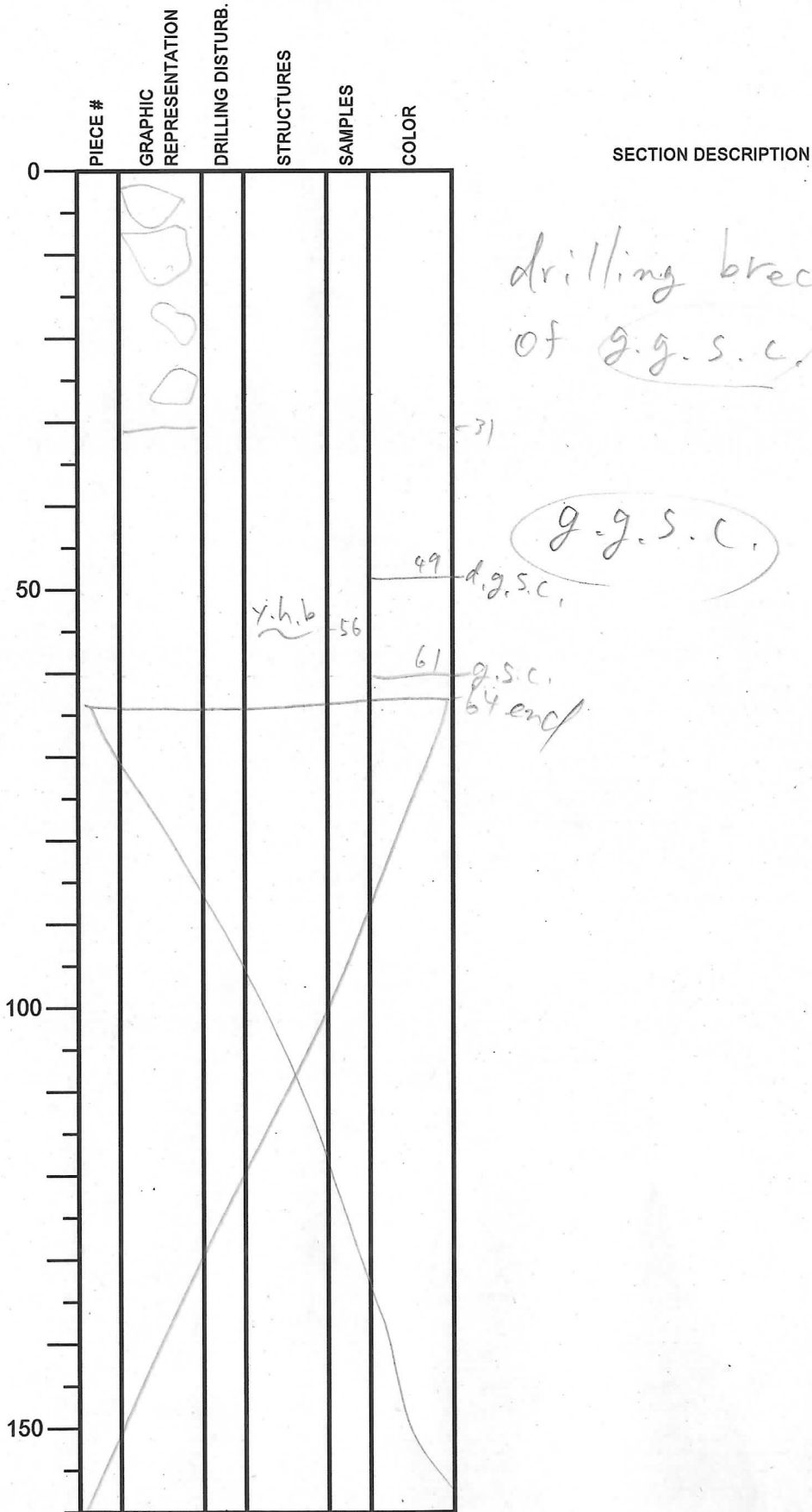
## SECTION DESCRIPTION

chaotic deposit  
 mixture of g.g.s.c. and  
 tuffaceous sandy siltstone

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 13R  
 SECTION: /  
 OBSERVER: H. Naruse

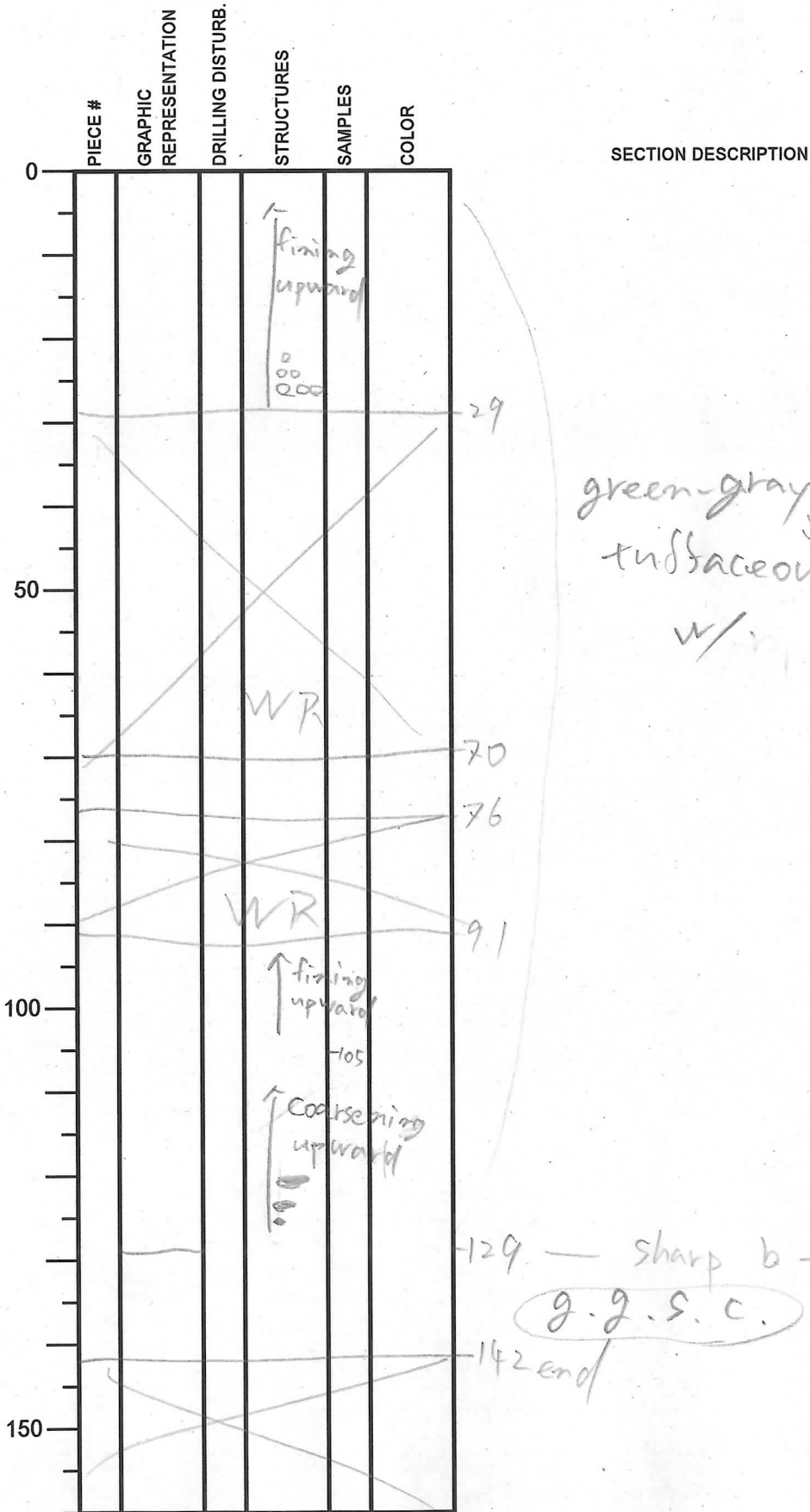


↑ Heavy  
 bioturb.  
 (5)  
 ↓



# Integrated Ocean Drilling Program Visual Core Description

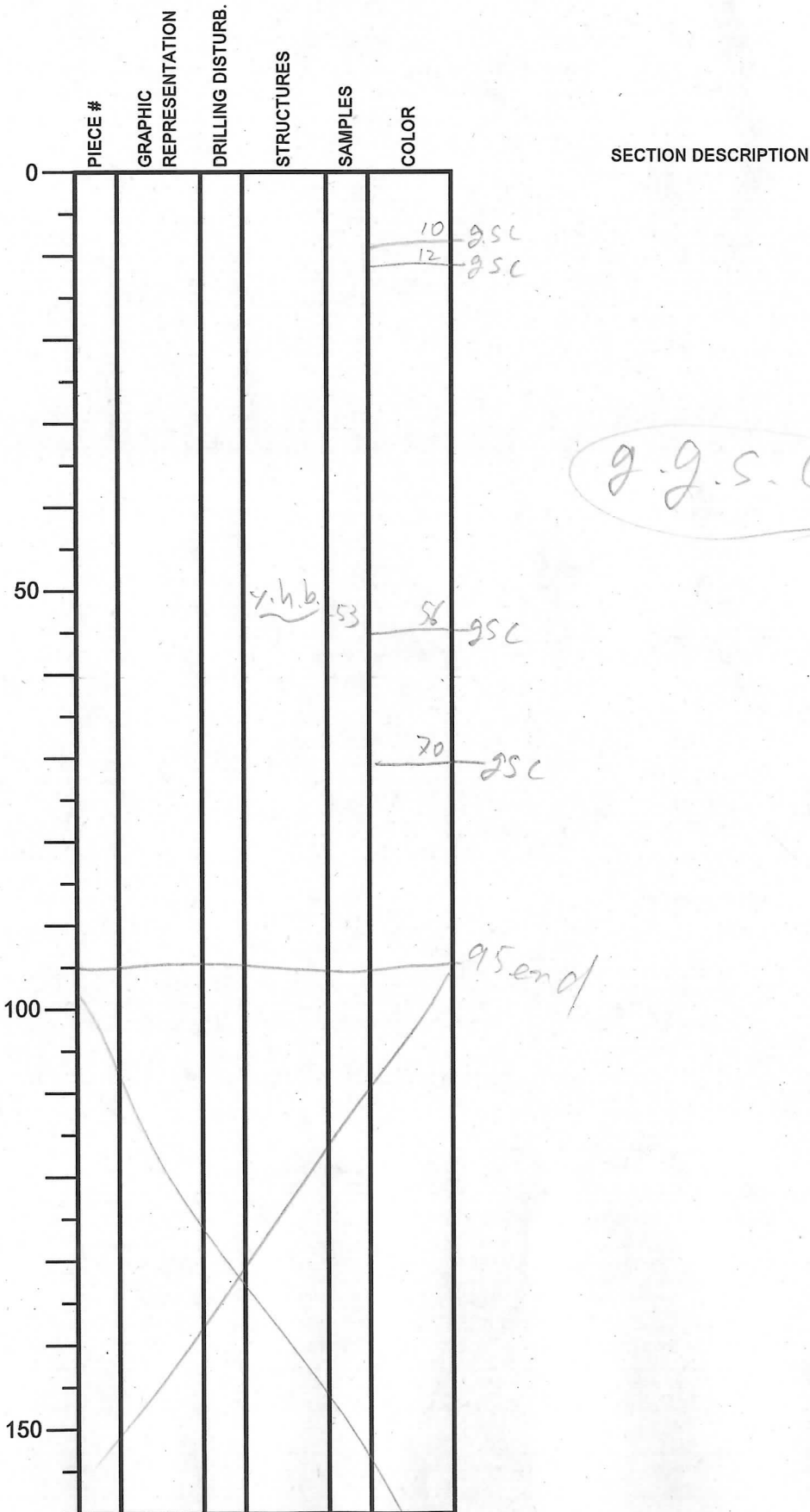
NO.  
 DATE: 9/27/09  
 EXP.: 322  
 SITE/HOLE: C00124  
 CORE: 13R  
 SECTION: 3  
 OBSERVER: H. Naruse



↑ Heavy bioturb. (S)

# Integrated Ocean Drilling Program Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 13R  
 SECTION: 4  
 OBSERVER: H. Naruse



g.g.s.c.

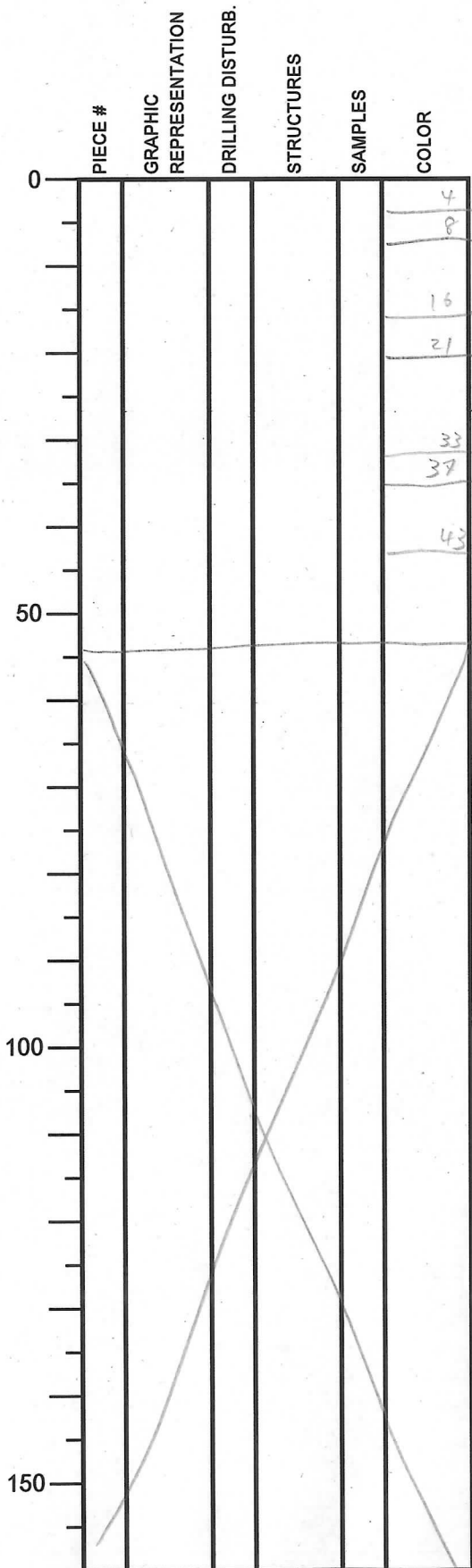
↑

Heavy  
bioturb.  
(5)

↓

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/27/09  
 EXP.: 322  
 SITE/HOLE: C001214  
 CORE: 13R  
 SECTION: 5  
 OBSERVER: H. Naruse



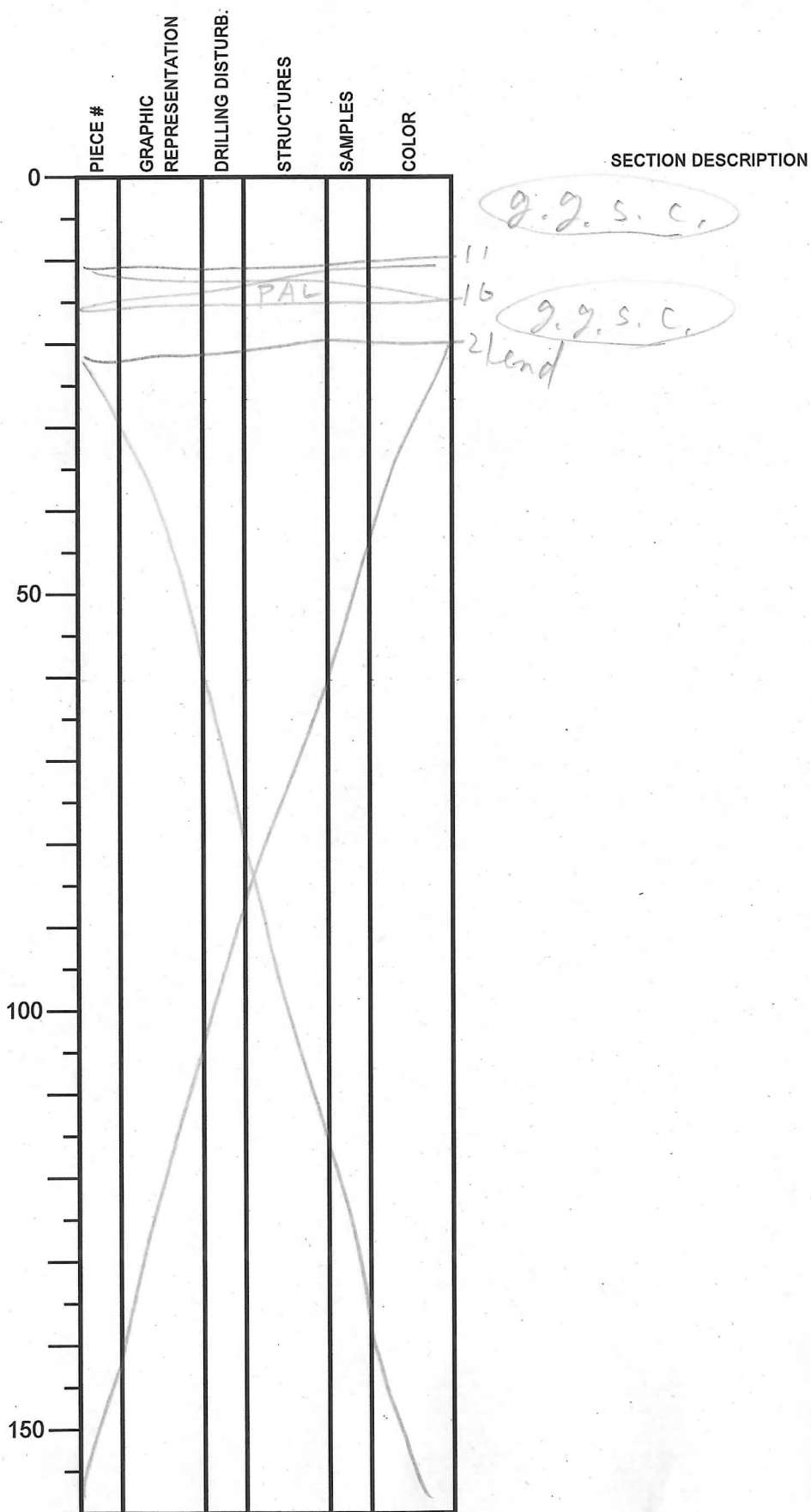
SECTION DESCRIPTION

g.g.s.c.

Heavy  
 bioturb.  
 (5)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 13R  
 SECTION: CC  
 OBSERVER: H. Naruse



↑ Heavy bioturb. (5)  
 ↓

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 9/27/2009

EXP.: 322

SITE/HOLE: C0012A

CORE: 14R

SECTION:

OBSERVER: H. Naruse

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0	○ ○ ○ ○ ○ ○ ○				
50					
100				95 gsc 102 gsc	
150					

SECTION DESCRIPTION

drilling breccia of  
g.g.s.c.

30

g.g.s.c.

↑  
Intense  
drilling  
disturb  
↓

↑  
Heavy  
bioturb.  
(S)  
↓

95

102

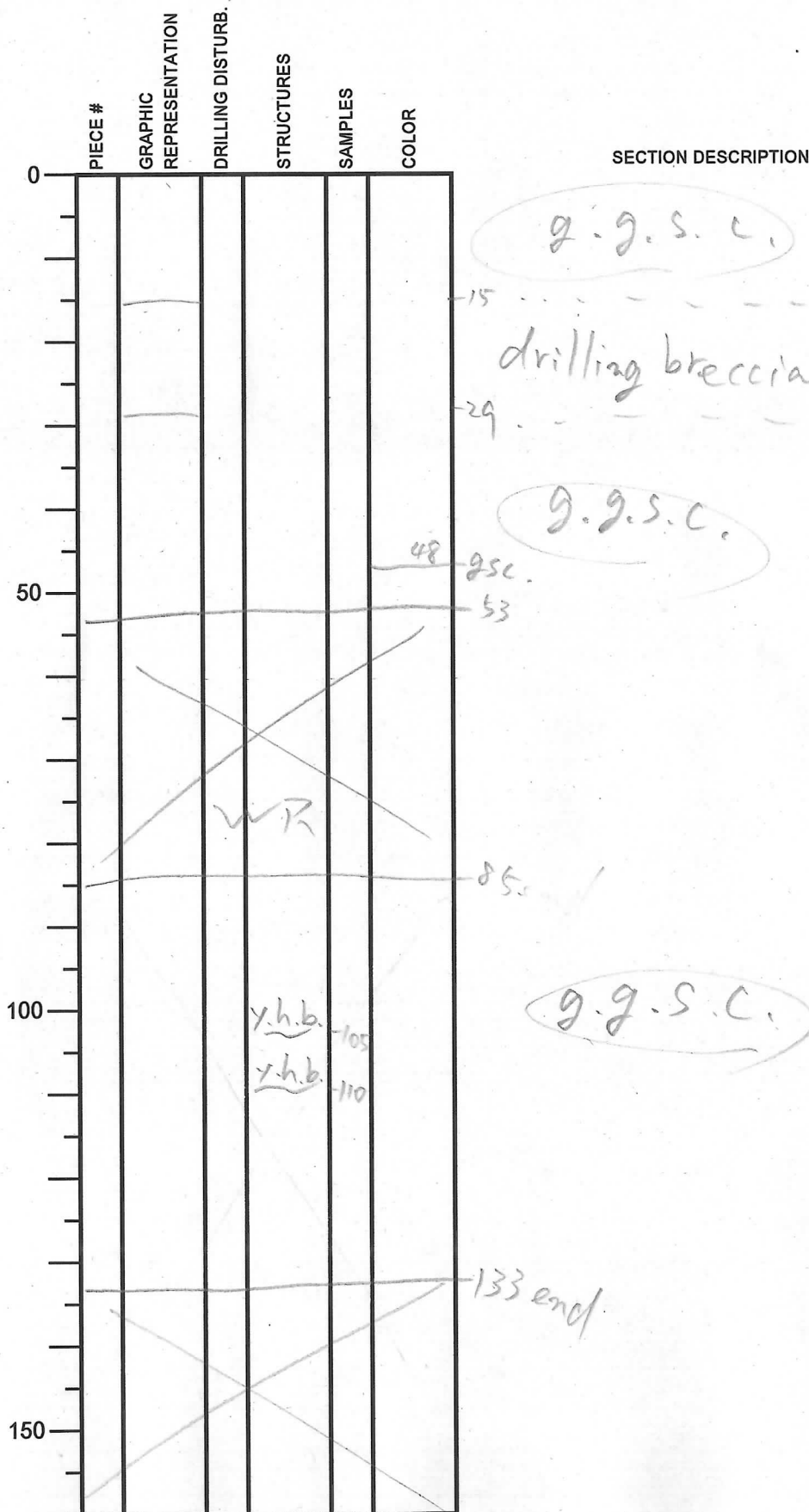
119 end

150

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 14R  
 SECTION: 3  
 OBSERVER: H. Naruse



↑ Heavy bioturb. (5)

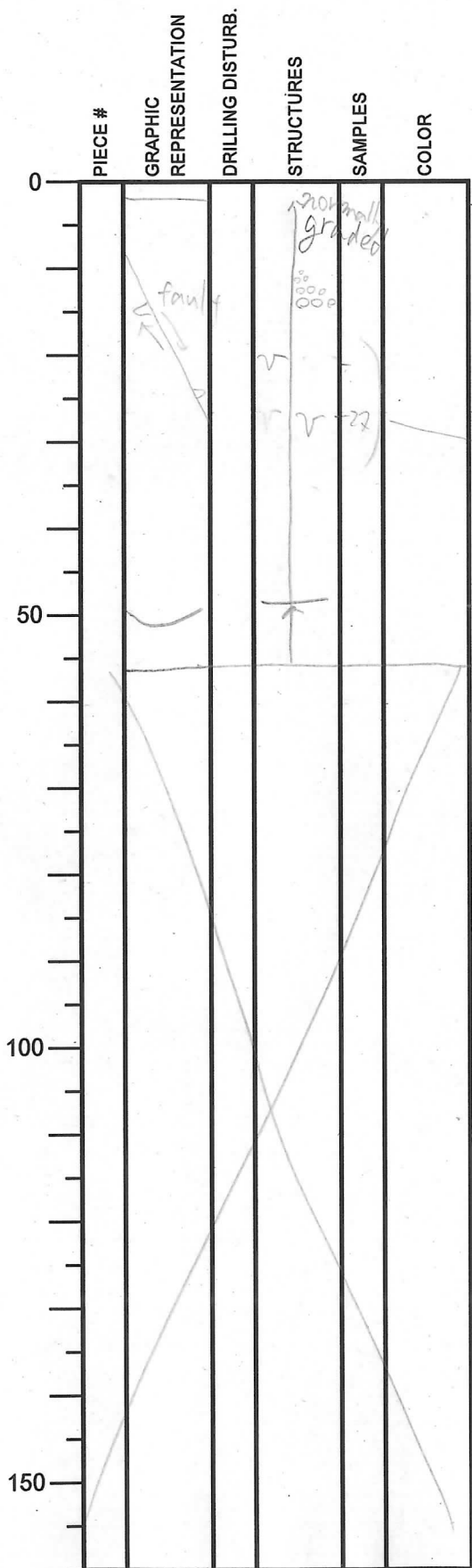
↑ Heavy bioturb. (5)

↑ Heavy bioturb. (5)

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/27/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 14R  
 SECTION: 4  
 OBSERVER: H. Harse



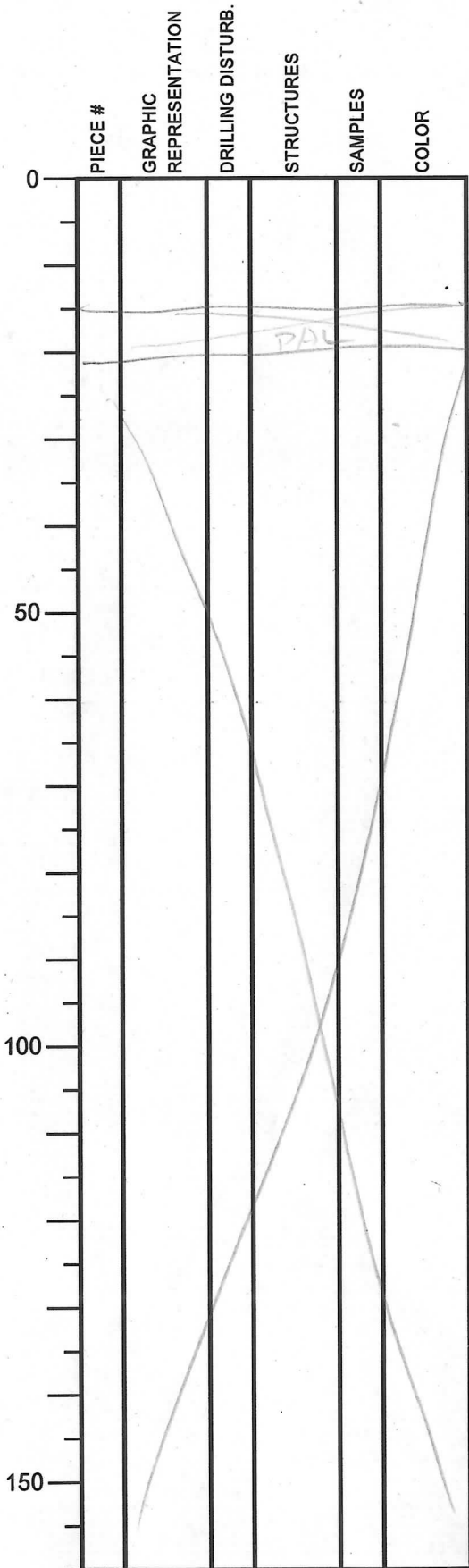
### SECTION DESCRIPTION

1 - grad. b. g.g.s.c.  
 green-gray normally graded  
 fine tuffaceous sandstone  
 w/ small (<3mm)  
 large burrows (2cm diameter) pumice fragments  
 slight bioturbation (2)  
 50 - sharp b. g.g. normal graded  
 silty tuffaceous sandstone  
 \$b end

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/27/2009  
 EXP.: 322  
 SITE/HOLE: C00124  
 CORE: 14R  
 SECTION: CC  
 OBSERVER: H. Naruse



SECTION DESCRIPTION

green-gray very fine tuffaceous sandstone

↑ Intense  
 drilling  
 disturb.

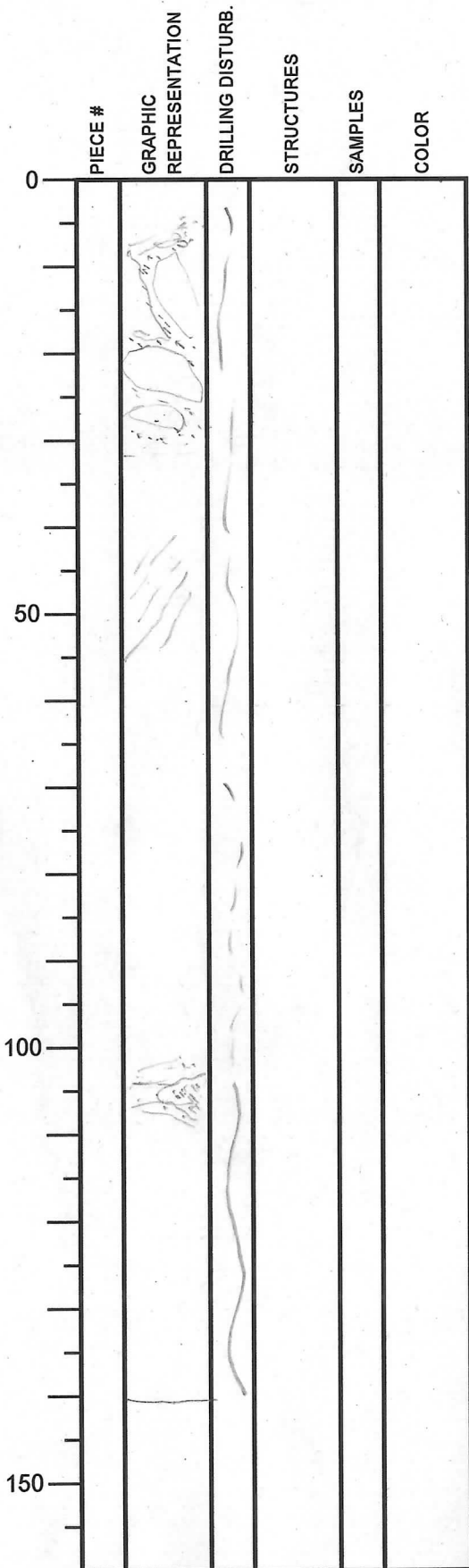
15  
21 end



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 28/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 15  
 SECTION: 1  
 OBSERVER: KVP/SK



**SECTION DESCRIPTION**

TUFFACEOUS  
SANDSTONE  
GRITSTONE-GRADE / V. COARSE  
CHAOTIC UNIT

31.0 cm  
 TOO BRECCIATED TO SEE CONTACT

41.0 cm  
 HIGH-ANGLE BEDDING (70-75°)

53.0 cm

CLSE/CLC

BIOTURBATION 5 (INTENSE)

DRILLING-BRECCIATED, BUT  
 POSSIBLY EXACERBATED BY  
 CHAOTIC BEDDING?

(CHAOTIC UNIT CONTINUES  
 THROUGHOUT CORE SECTION?)

140.5 cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 8/29/20 09

EXP.: 322

SITE/HOLE: C0012

CORE: 15

SECTION: 2

OBSERVER: KTY/SK

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
50	- 27-29 cm	~			
100					
150					

SECTION DESCRIPTION

Cl<sub>2</sub>dc/gsc

27-29 cm BIOTURBATION S (INTENSE)  
V. COARSE LAMINATIONE DISRUPTED LAYER

37-58 cm gsc/gsc may be in situ as bedding appears "normal"

- 67 cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 2/20/09  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 15  
 SECTION: 4  
 OBSERVER: KTD/SK

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0	[Hand-drawn sketch of sedimentary layers]				
50	[Hand-drawn sketch of sedimentary layers]				
100					
150					

**SECTION DESCRIPTION**

GGS/GCL + SANDSTONE  
 IN

CHAOTIC UNIT

TUFFACEOUS SANDSTONE  
 (V. COARSE/GRIT GRADE)  
 BRECCIATED / INJECTED

BRECCIATION IS SEDIMENTARY  
 NOT DRILLING-INDUCED

-53.5 cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 28/07/20 09

EXP.: 322

SITE/HOLE: C0012

CORE: 15

SECTION: CC

OBSERVER: KTO/SK

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

SECTION DESCRIPTION

CHRYSTIC UNIT     SANDSTONE +  
G/Gc/Cgc

-18.5cm  
-23.5cm End

# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 2/17/2009

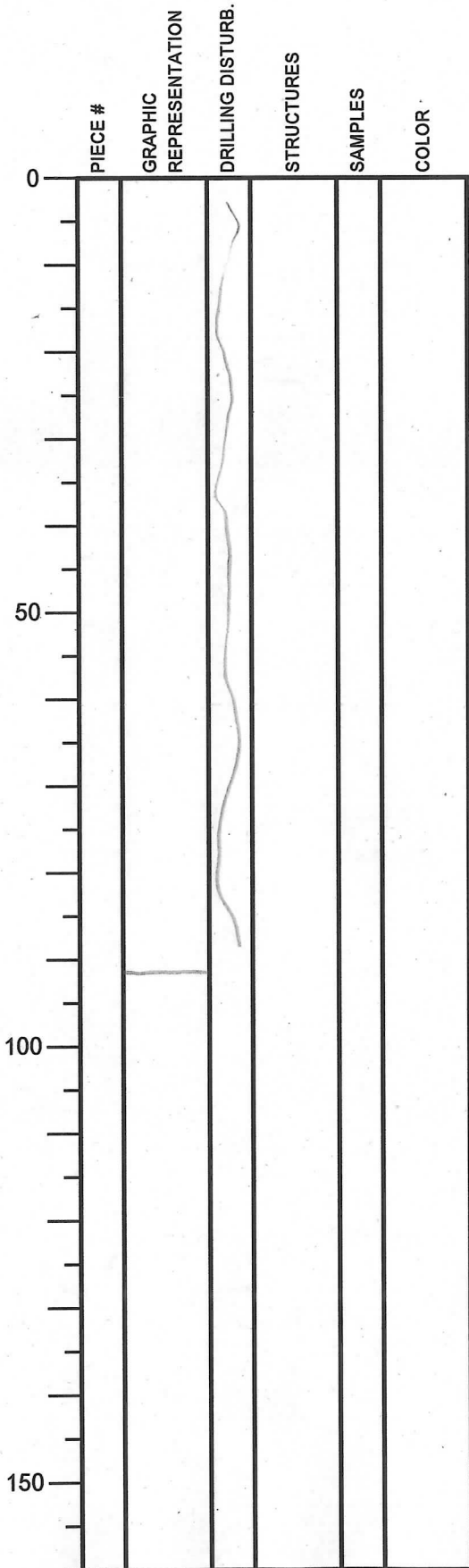
EXP.: 322

SITE/HOLE: C0012

CORE: 16

SECTION: 1

OBSERVER: KJP/SK



SECTION DESCRIPTION

Gelsc/gsc  
BIOT. 5 (INTERSE)

-92 cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 2/20/09

EXP.: 322

SITE/HOLE: C5012

CORE: 16

SECTION: 2

OBSERVER: km/sk

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

SECTION DESCRIPTION

GGS/GSC  
BIOT. 5 (INTENSE)

60cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 28/09/2009

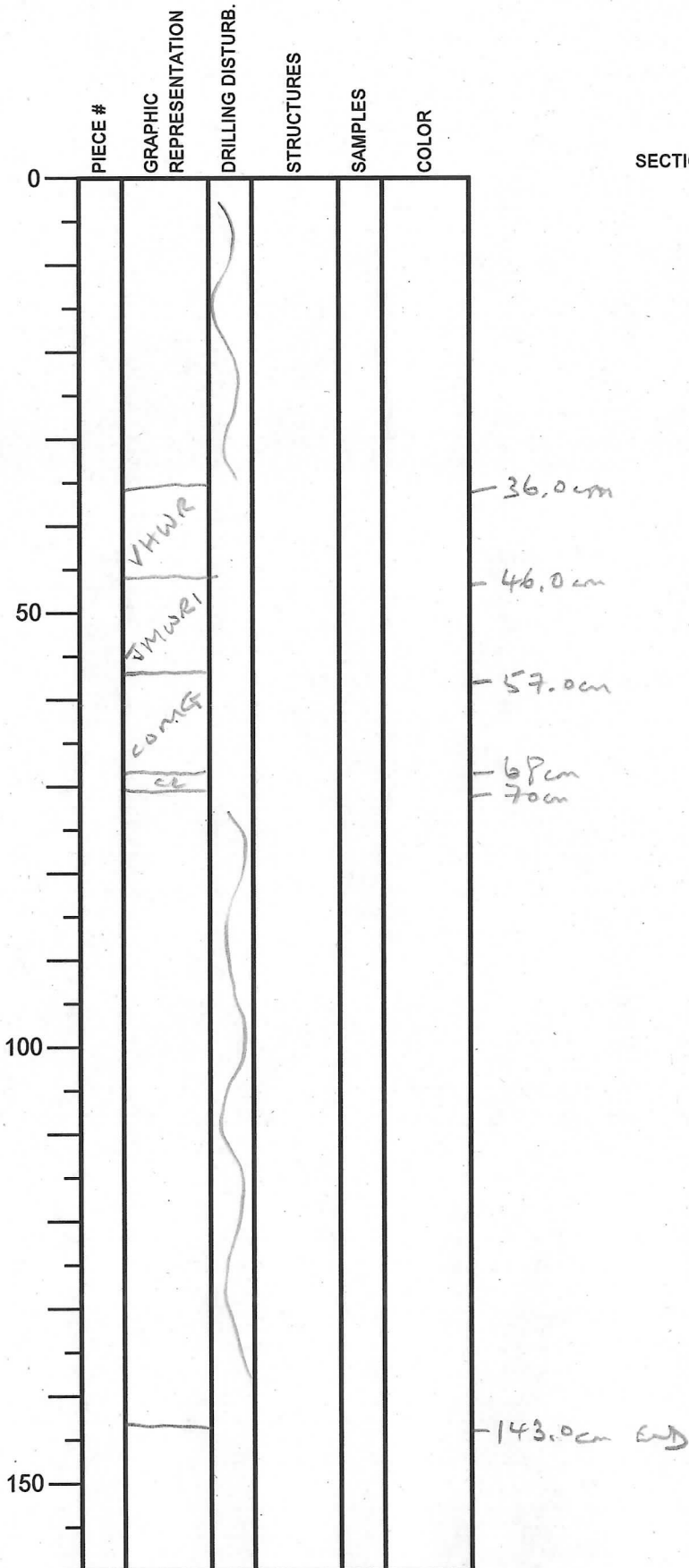
EXP.: 322

SITE/HOLE: C0012

CORE: 16

SECTION: 4

OBSERVER: KTR/SK



SECTION DESCRIPTION

Grsc / Gsc BIOT. 5 (INTENSE)

Grsc / Gsc  
BIOT. 5 (INTENSE)

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 22/09/2007

EXP.: 322

SITE/HOLE: C0012

CORE: 16

SECTION: 5

OBSERVER: KJP/SK

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR	
0						
	AHHW R1	~				14.5 cm Gase/Glc BIOT. 5 (INTENSE)
	YHWR	~				34.5 cm Gase/Glc BIOT. 5 45.0 cm 63.0 cm END
50						
100						
150						



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 28/01/2009

EXP.: 322

SITE/HOLE: C0012

CORE: 16

SECTION: CC

OBSERVER: KTD/SK

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

SECTION DESCRIPTION

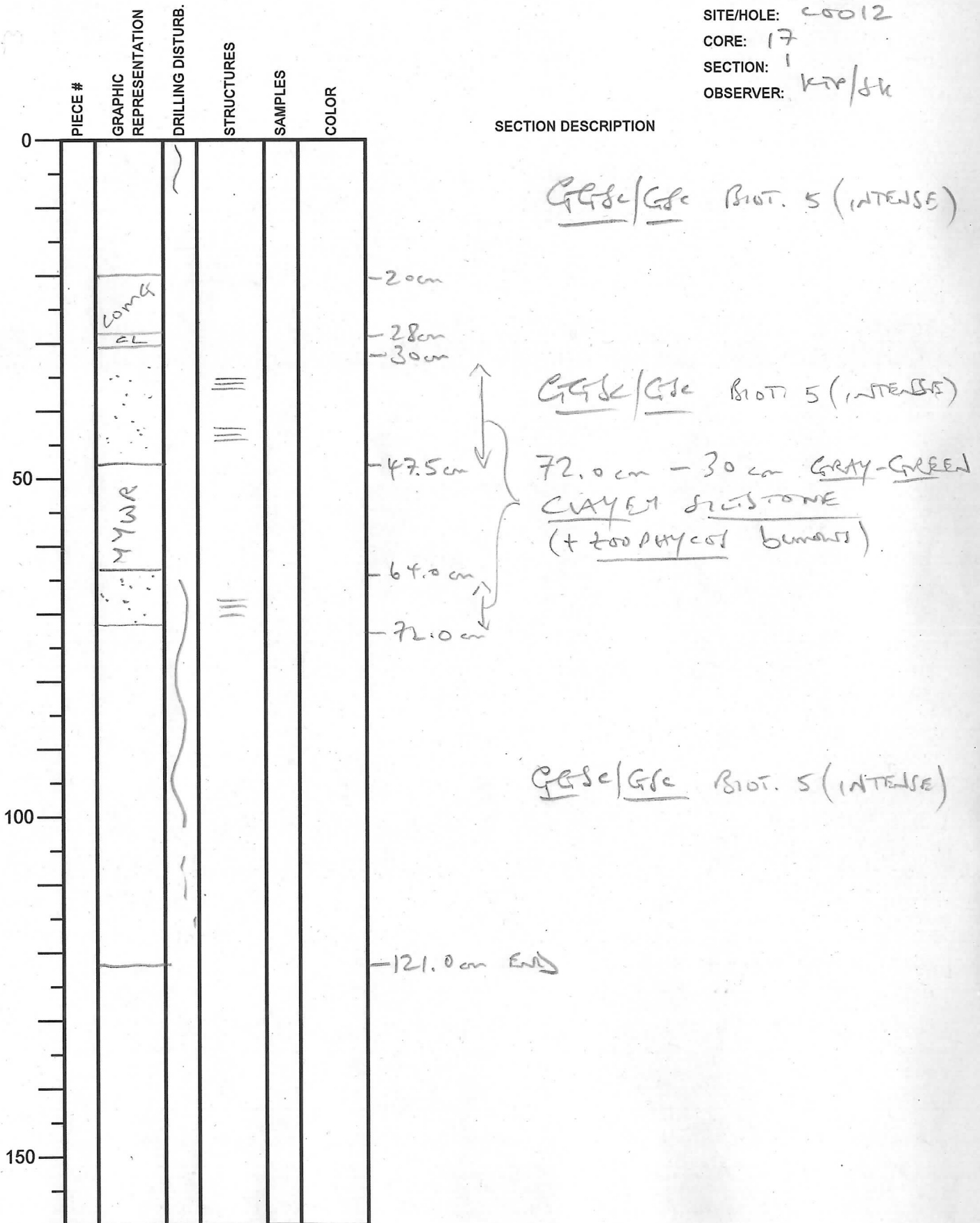
GGSC/GSC REPT. 5 (INTENSE)

-16 cm  
-21 cm END

# Integrated Ocean Drilling Program

## Visual Core Description

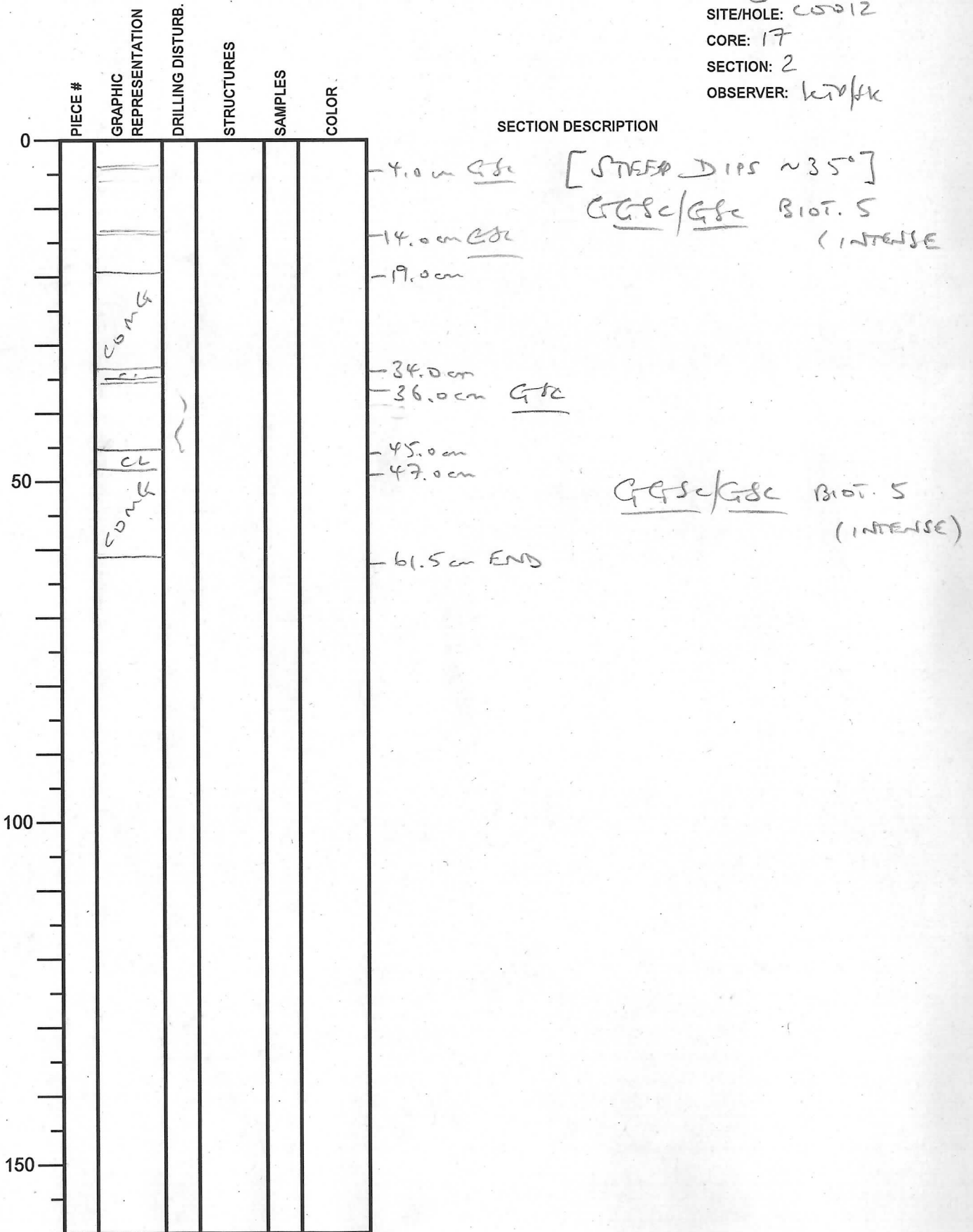
NO.  
 DATE: 28/09 / 20 09  
 EXP.: 322  
 SITE/HOLE: C5012  
 CORE: 17  
 SECTION: 1  
 OBSERVER: KTR/SK



# Integrated Ocean Drilling Program

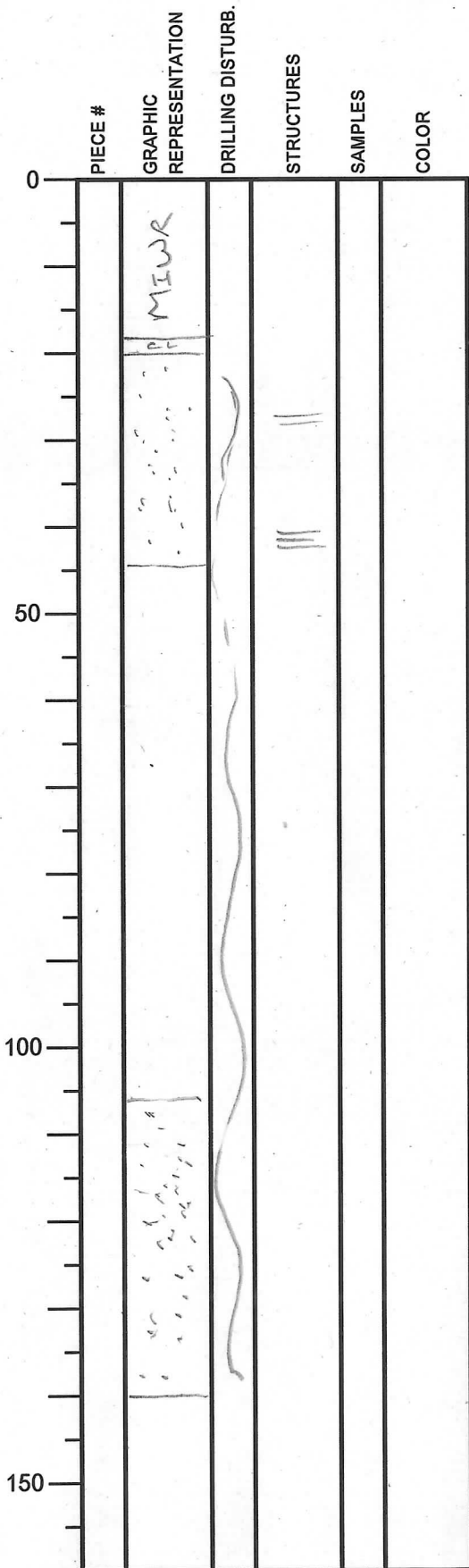
## Visual Core Description

NO.  
 DATE: 8/20/07  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 17  
 SECTION: 2  
 OBSERVER: *WV/HK*



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 2/15/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 17  
 SECTION: 4  
 OBSERVER: KTM/SLK



SECTION DESCRIPTION

17.0 cm  
 19.0 cm  
 CLAYEY SILTSTONE (GRAY-GREEN)

45.0 cm

CORRECTION!  
 ?  
 ? C0011/13R/section 5  
 ? to C0012 17R/section 1  
 &  
 ? C0012/17R/cc + section 4  
 ? to C0011/11R/section 5

GLSC/GSC  
 BIOT. 5 (INTENSE)

107 cm  
 112.0 cm [CORE QUALITY POOR]  
 TURFALEOUS SANDSTONE  
 (GRAY-GREEN) GRIT/V. COARSE

142.0 cm END

# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 28/07/2009

EXP.: 322

SITE/HOLE: C0012

CORE: 17

SECTION: CC

OBSERVER: KJP/SLK

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0		PAZ	~		*	<p>* 6.0cm SS CUTTINGS GGR/GSC!</p> <p>- 10.5cm ind. ? ash/tuff blades/cuttings!</p> <p>- 15.5cm → PROBABLY TUFFACEOUS SANDSTONE (COARSE) DISTURBED</p>
50						
100						
150						

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 20/09/2009

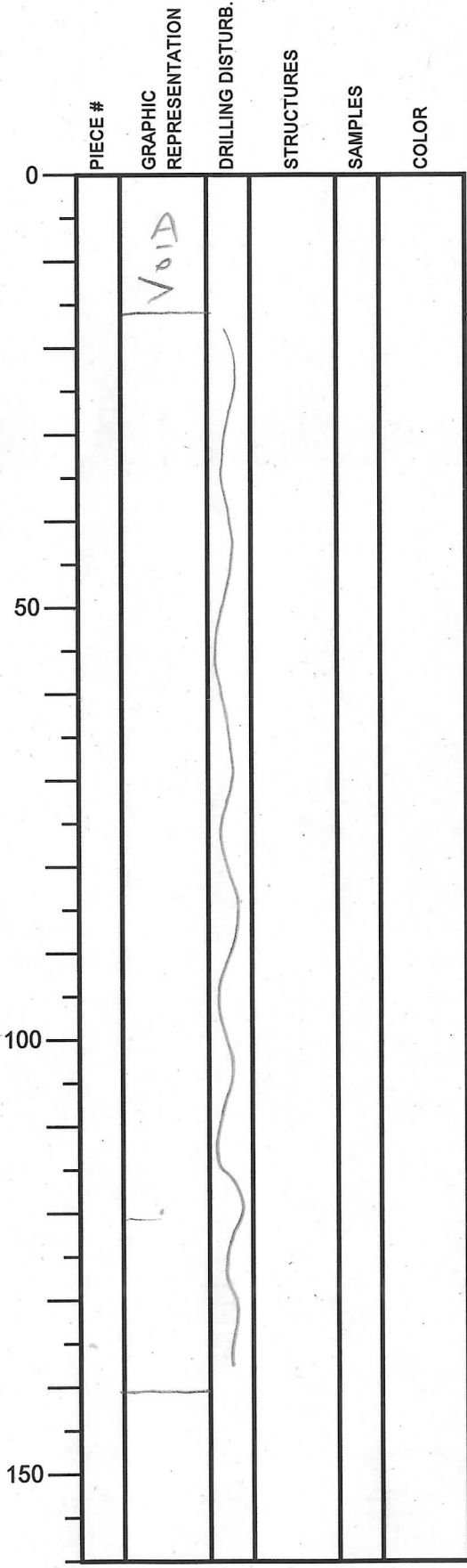
EXP.: 322

SITE/HOLE: C5012

CORE: 18

SECTION: 1

OBSERVER: KTO/JK



SECTION DESCRIPTION

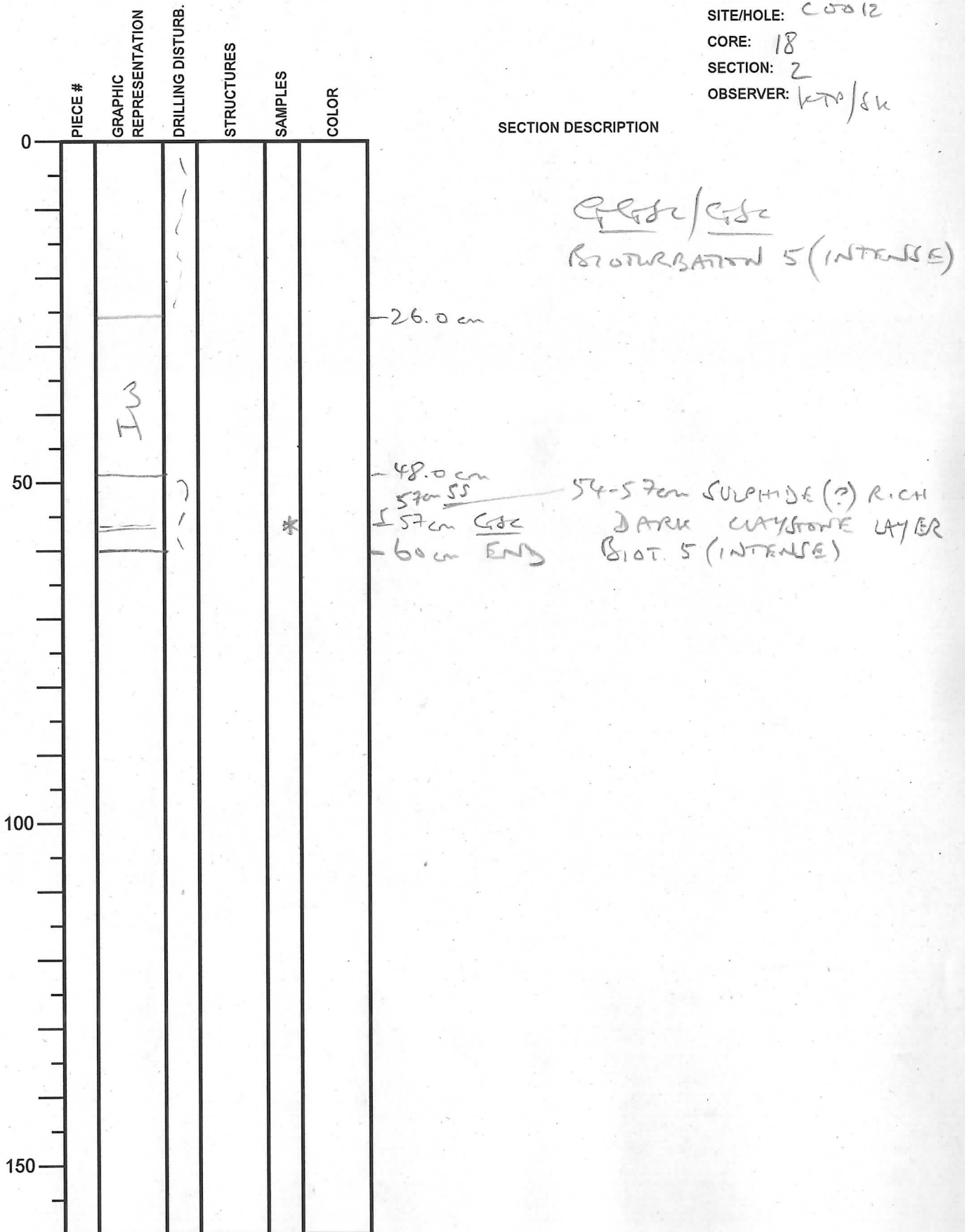
CUTTINGS  
 V. POOR QUALITY  
 CORE FOR  
DESCRIPTION  
GCSC/GTC

in situ GCSC/GTC  
 STOP 5 (INTERIE)

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 28/01/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 18  
 SECTION: 2  
 OBSERVER: KTO/SK



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 28/07/20 09

EXP.: 322

SITE/HOLE: C0012

CORE: 18

SECTION: 4

OBSERVER: KAP/SK

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

SECTION DESCRIPTION

Qz sc / Gsc

13.0 cm Gsc  
15.0 cm  
20.0 cm

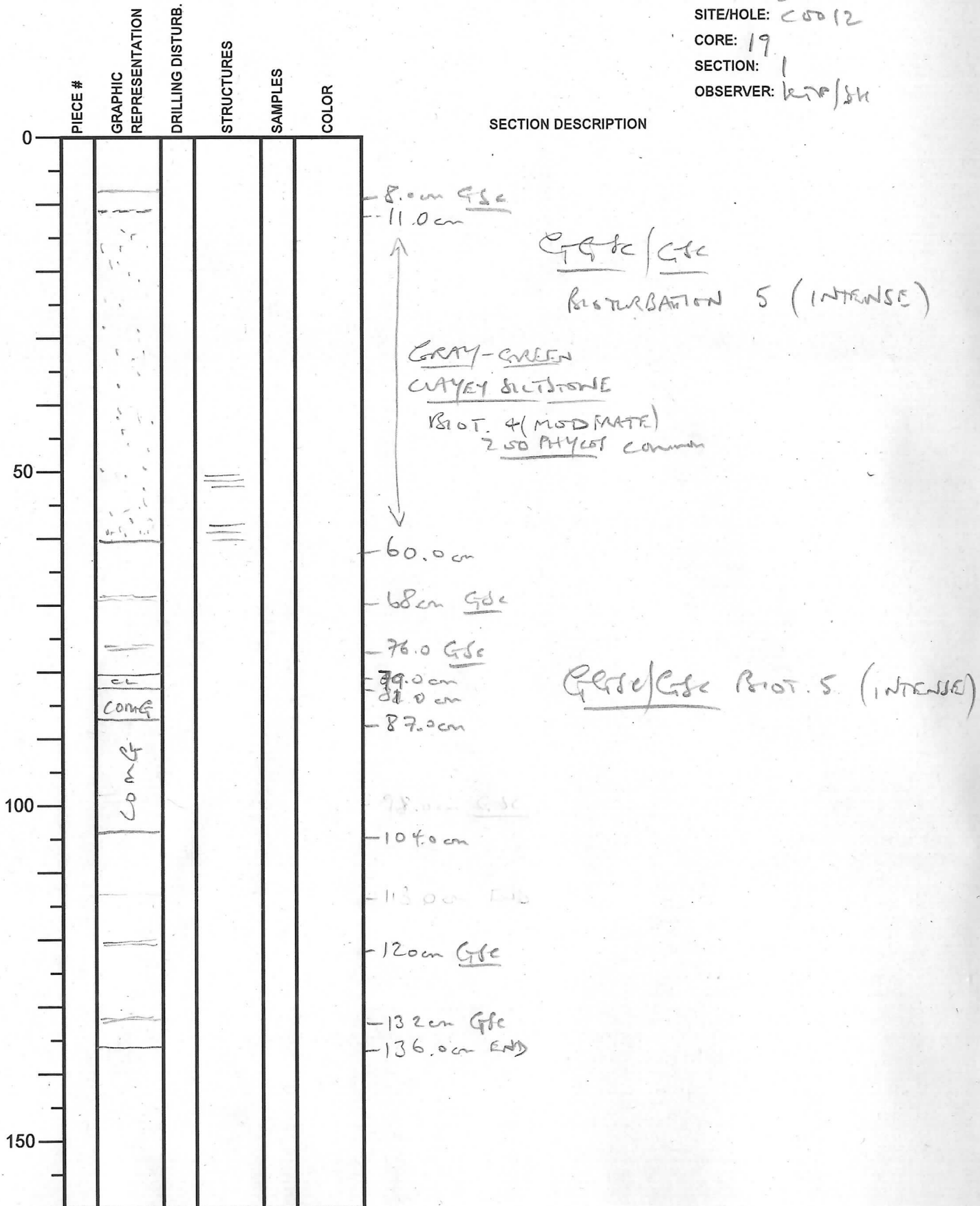
DISTURBANCE 5 (INTENSE)



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 28/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 19  
 SECTION: 1  
 OBSERVER: kmp/sh



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 20/07/2009

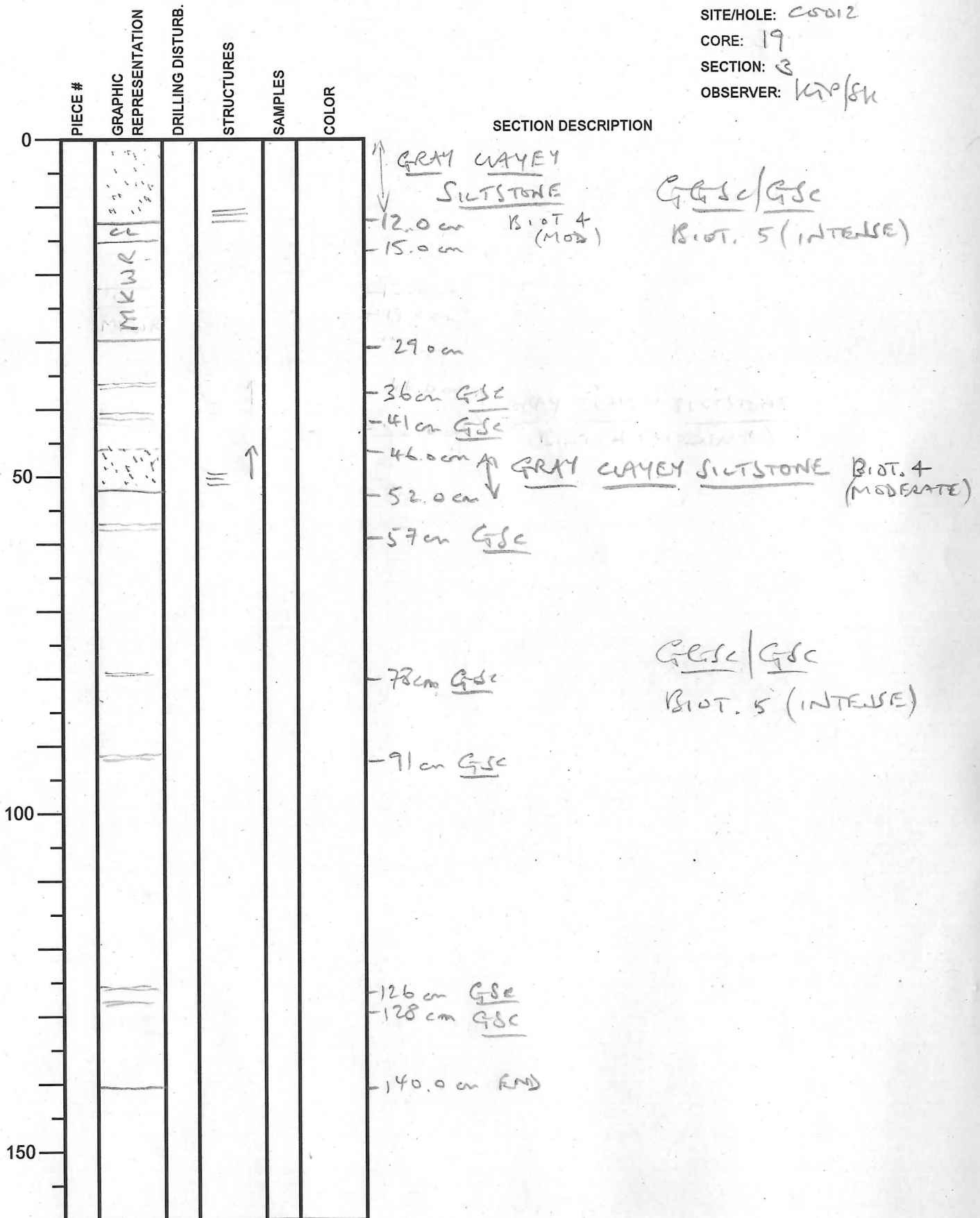
EXP.: 322

SITE/HOLE: C5012

CORE: 19

SECTION: 3

OBSERVER: KDP/SK



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 28/1/20 09  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 19  
 SECTION: 4  
 OBSERVER: *km/su*

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0	P WZWR				
					-17.0 cm <u>GSc</u> -19.0 cm <u>GSc</u>
					-28 cm <u>GSc</u>
					-38.0 cm -43.0 cm <u>GRAY CLAYEY SILTSTONE</u> BIOT 4 (MOD)
50					<u>GSc/GSc</u> BIOTURBATION 5 (INTENSE)
					-64 cm <u>GSc</u>
					83-67 cm FAULTED <u>GRAY CLAYEY</u>
			*		*80.0 cm <u>SS</u> <u>SILTSTONE</u> BIOT 4 (MOD) (REVERSE + NORMAL FAULTS) OFFSET mm - 3 to 4 cm
					-87 cm <u>GSc</u>
100	P AHW R3				-102.0 cm
					-122 cm -124 cm -127 cm <u>GSc</u> -131 cm <u>END</u>
150					<u>GSc/GSc</u>

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 28/09/2009

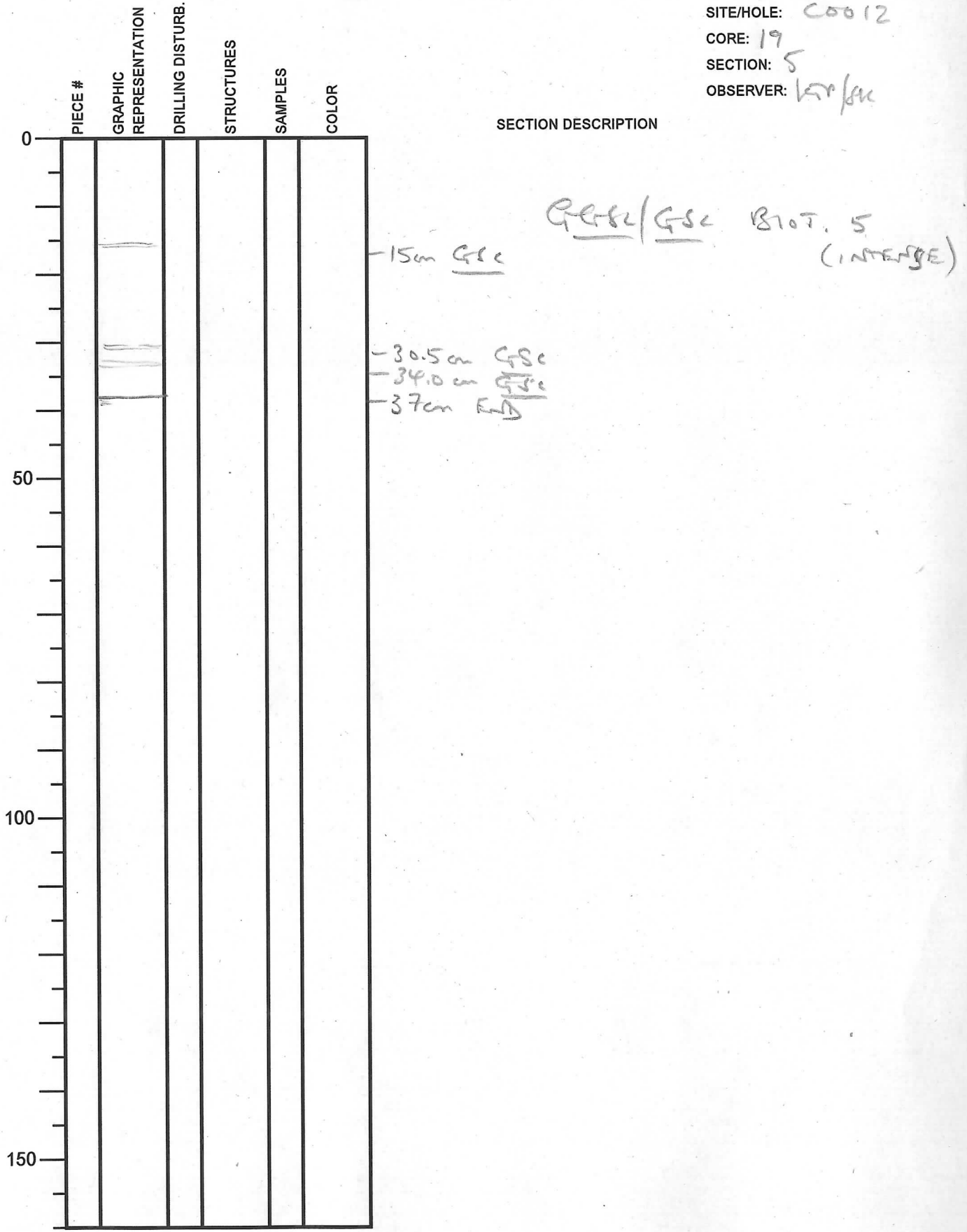
EXP.: 322

SITE/HOLE: C0012

CORE: 19

SECTION: 5

OBSERVER: KMP/GR



# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 28/09/20 07

EXP.: 322

SITE/HOLE: C5012

CORE: 19

SECTION: CC

OBSERVER: KTA/SK

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		PAZ				
			)			-5cm
						-11cm
50						
100						
150						

SECTION DESCRIPTION

GCSC/GSC BIOT. 5 (INTENSE)

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 2/18/20 09

EXP.: 322

SITE/HOLE: C0012

CORE: 20

SECTION: 1

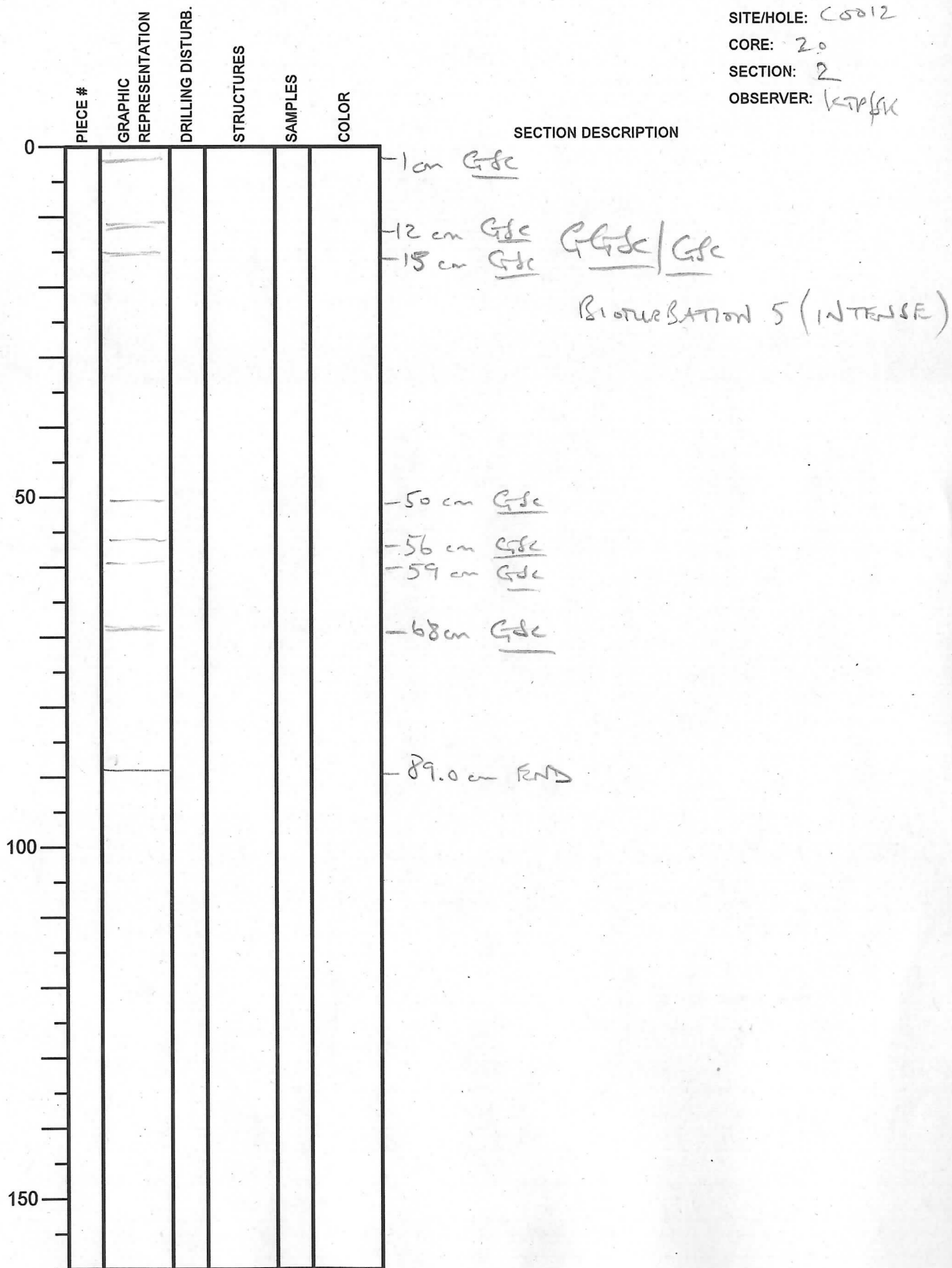
OBSERVER: KTD/SK

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0						
						-14 cm <u>GSC</u>
						-16 cm <u>GSC</u> <u>GSC</u>   <u>GSC</u>
						BIOTURBATION 5 (INTENSE)
						-32 cm <u>GSC</u>
50						-52 cm <u>GSC</u>
						-62 cm <u>GSC</u>
						-70 cm <u>GSC</u>
						-99 cm <u>GSC</u>
100						-110 cm <u>GSC</u>
						-119 cm <u>GSC</u>
						-135 cm <u>GSC</u>
						-140 cm <u>END</u>
150						

# Integrated Ocean Drilling Program

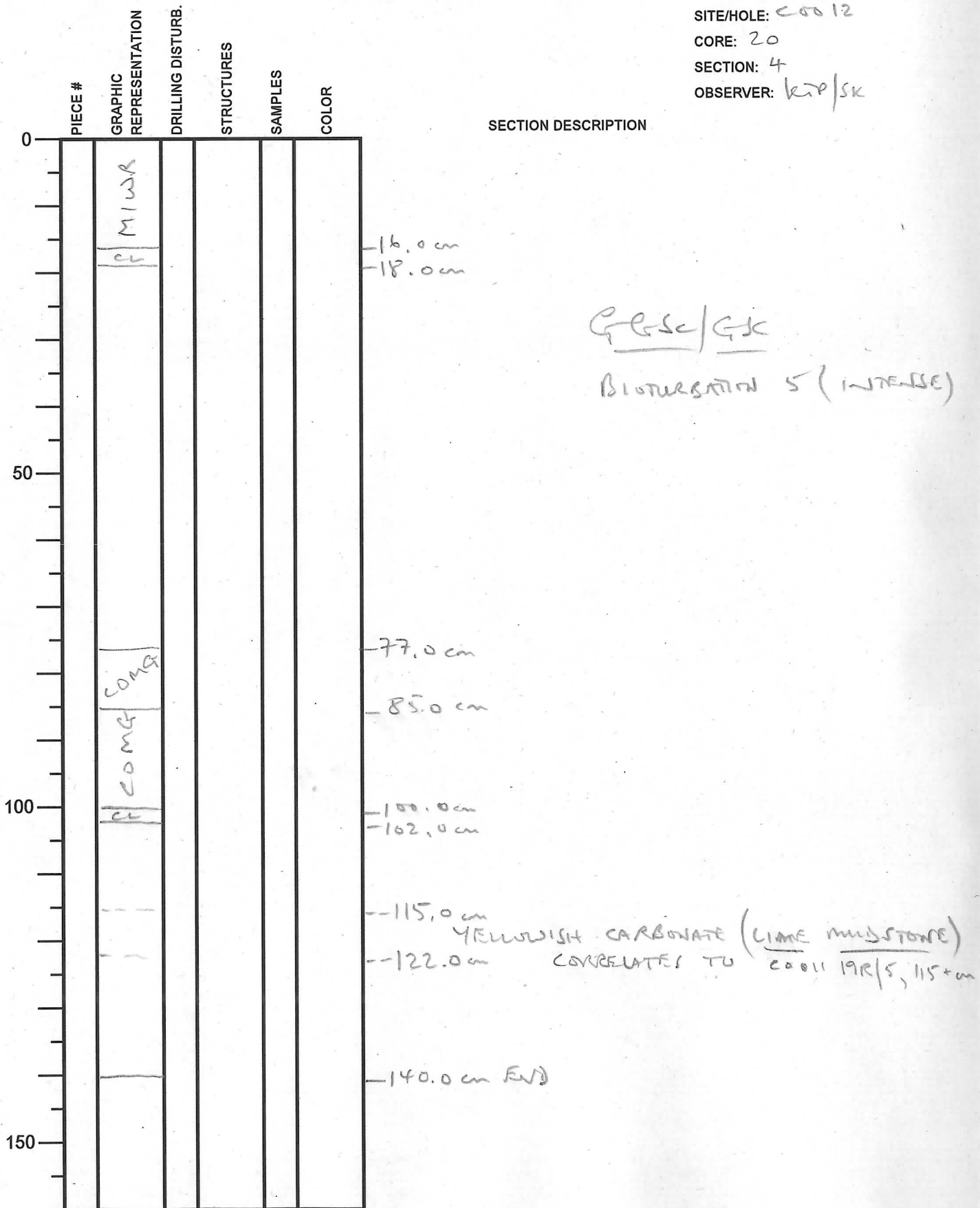
## Visual Core Description

NO.  
 DATE: 28/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 20  
 SECTION: 2  
 OBSERVER: KTF/SLK



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 28/07/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 20  
 SECTION: 4  
 OBSERVER: krp/sk





# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 28/09/2007  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 20  
 SECTION: 5  
 OBSERVER: KTO/SK

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0					
					-14cm } GSC -15cm } vi dark green } (concretion?)
	G				GSC/GSC
	TGW				BIOTURB. 5 (INTENSE)
					-20cm -22cm
					-37cm
50					-50cm END
100					
150					

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 28/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 20  
 SECTION: CC  
 OBSERVER: KTP/SK

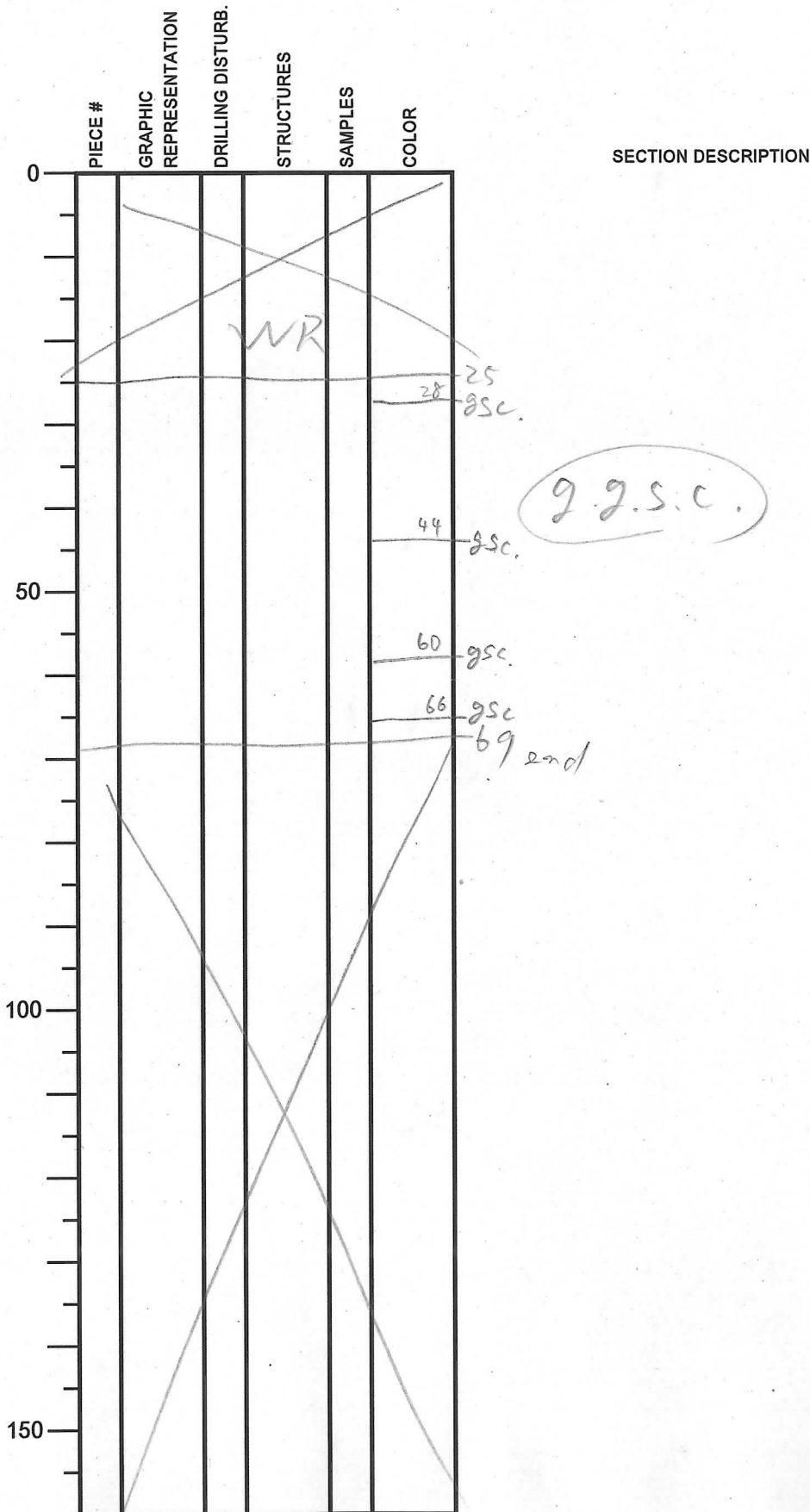
	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0		PA2				6 cm
50						11 cm
100						
150						

SECTION DESCRIPTION

GSC / GSC BIOT. 5 (INTENSE)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 21R  
 SECTION: /  
 OBSERVER: H. Yarusse



g.g.s.c.

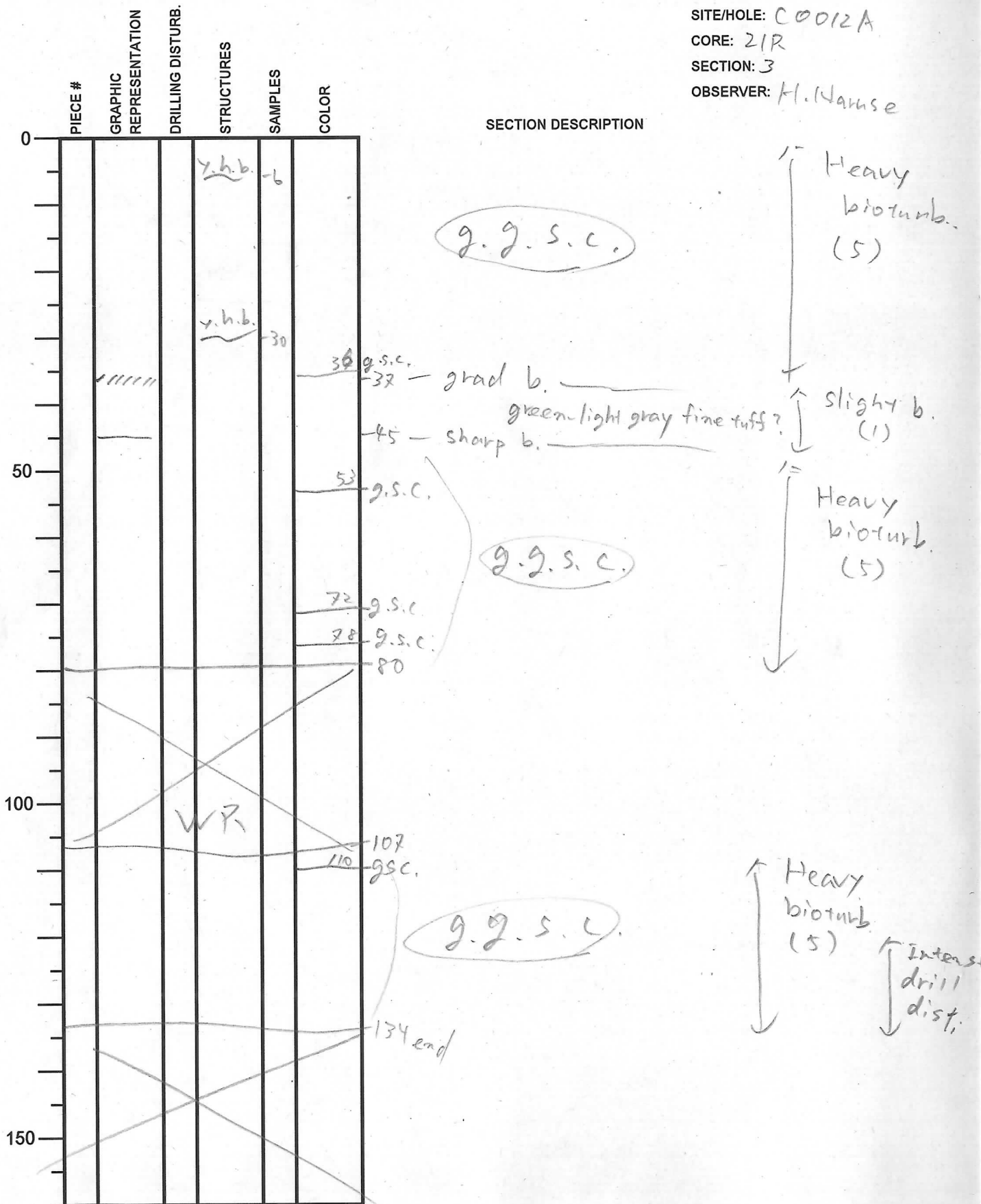
↑

Heavy  
biturb.  
(5)

↓

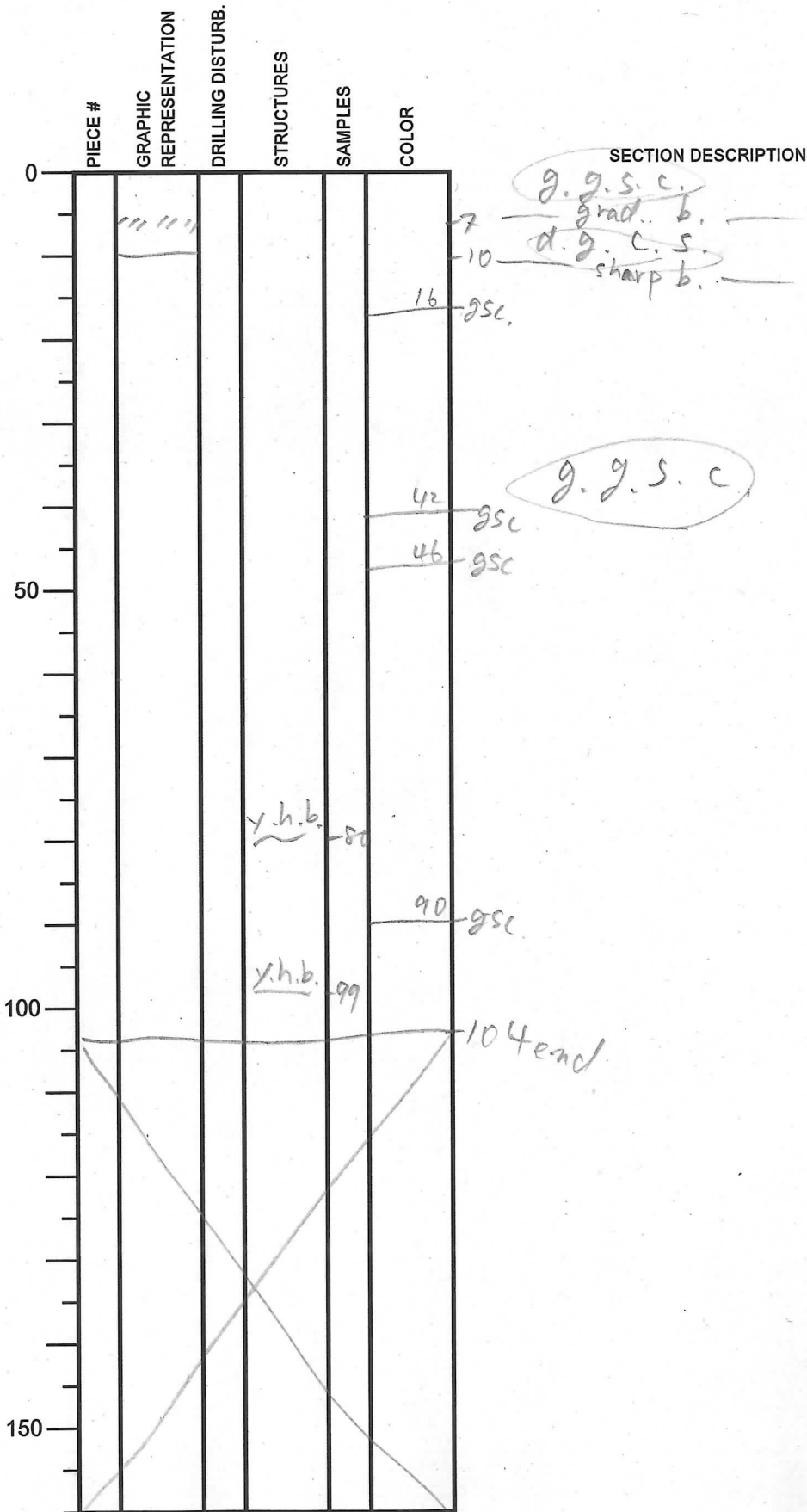
# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/12/20  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 21R  
 SECTION: 3  
 OBSERVER: H. Vanuse



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 21R  
 SECTION: 4  
 OBSERVER: H. Naruse

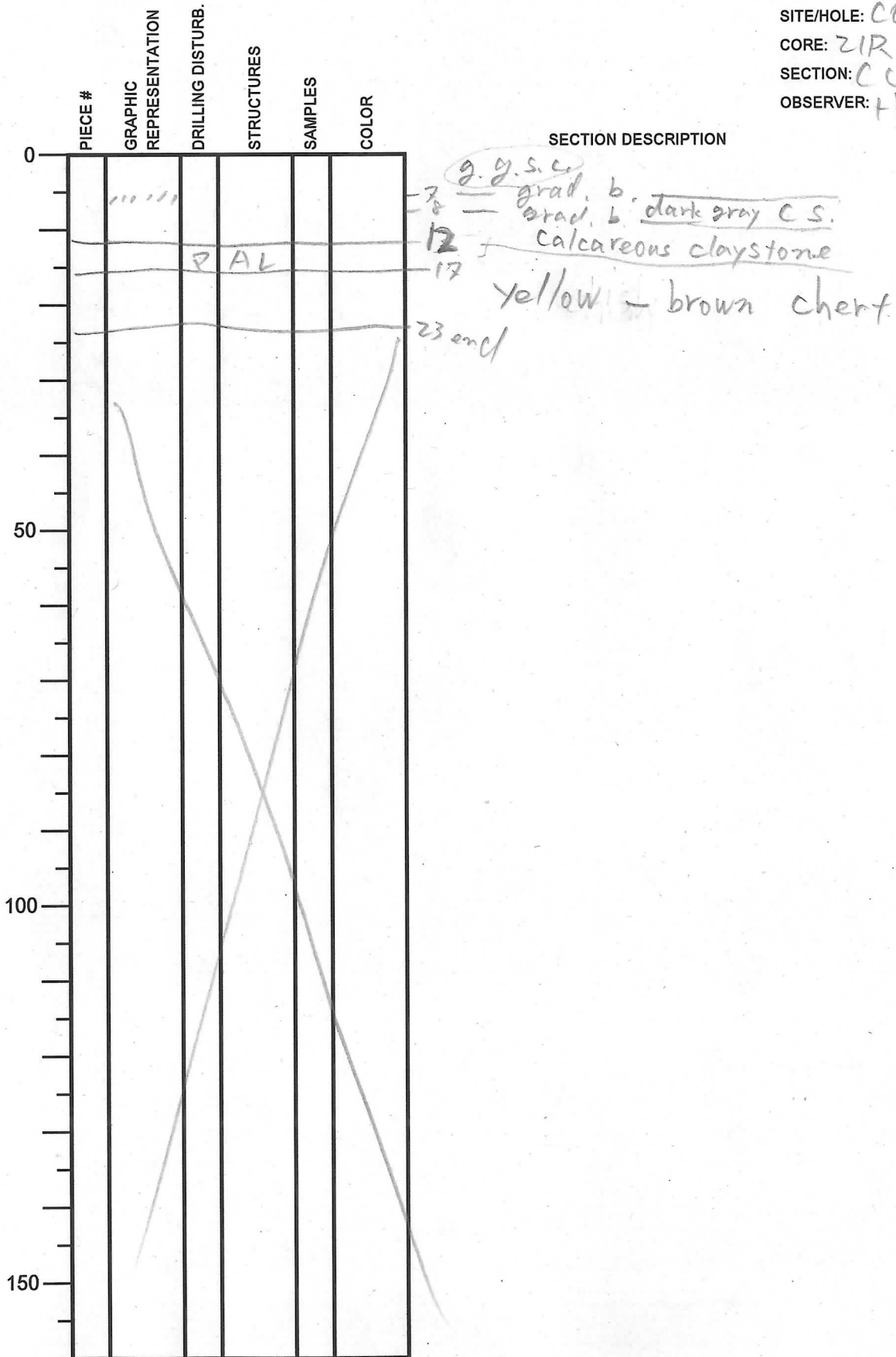


↑ Heavy (5)  
 ↑ moderate bioturb. (3)  
 Heavy bioturbation (5)

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: ZIR  
 SECTION: CC  
 OBSERVER: H. Naruse



# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 9/28/2009

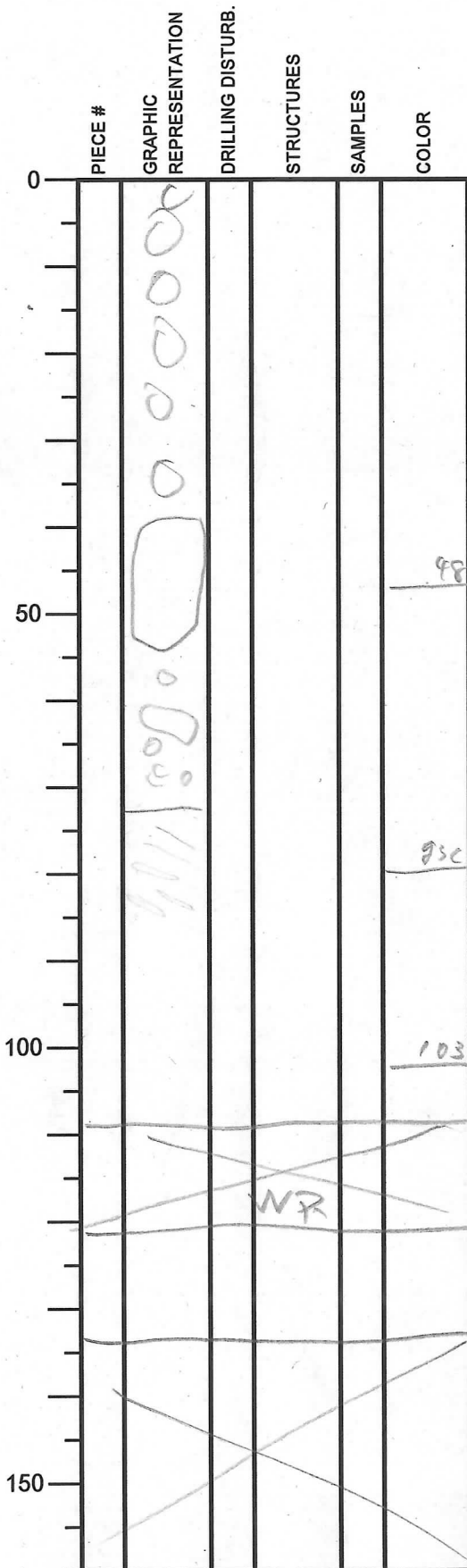
EXP.: 322

SITE/HOLE: C0012A

CORE: 22R

SECTION: 1

OBSERVER: H. Naruse



## SECTION DESCRIPTION

drilling breccia of  
g.g.s.c.

38

48

gsc

54

drilling breccia of g.g.s.c.

73

gsc

80

g.g.s.c.

steeply inclined  
bedding  
deformation?

103

gsc

109

WR

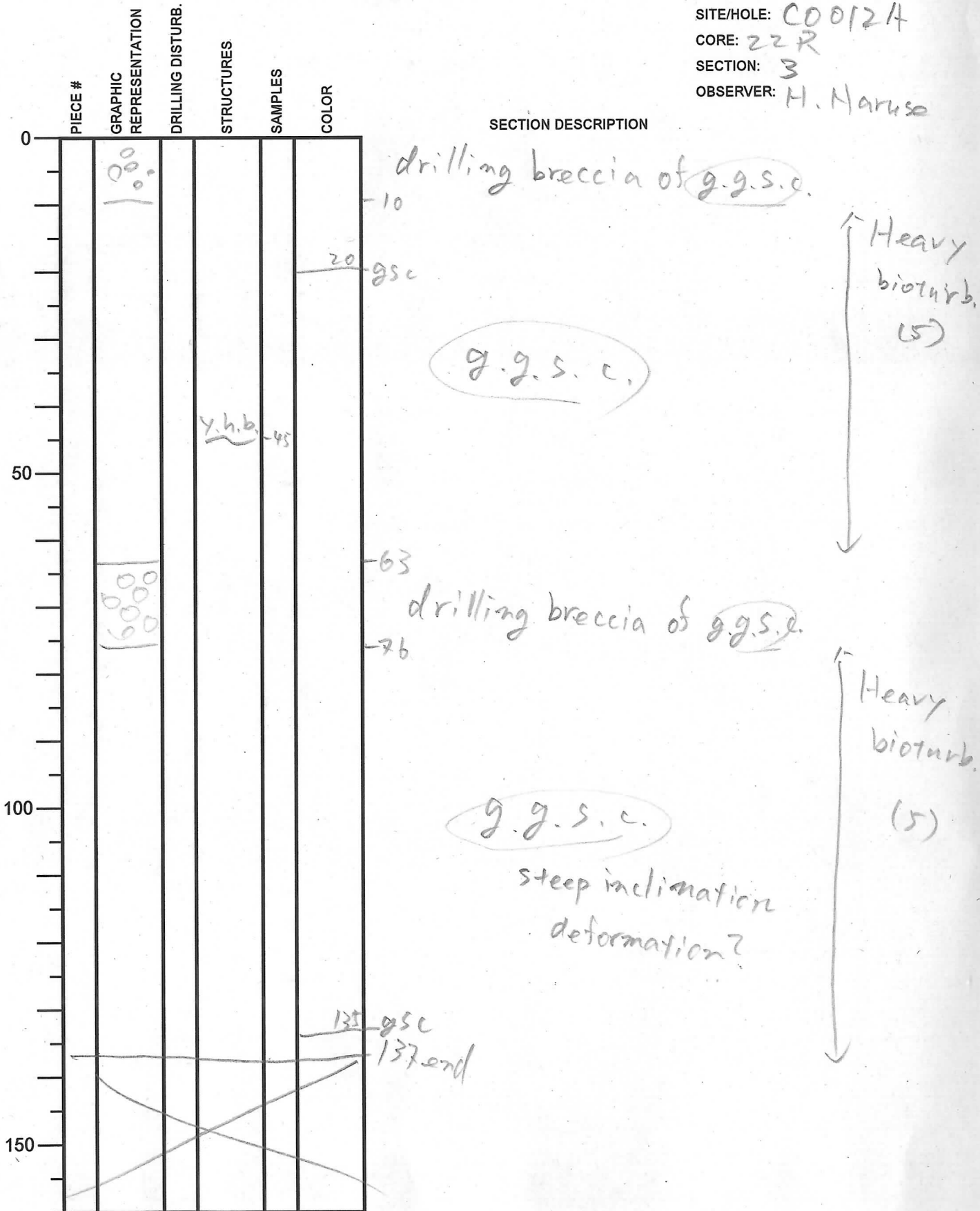
121

133 end

Intense  
drill  
disturb.

# Integrated Ocean Drilling Program Visual Core Description

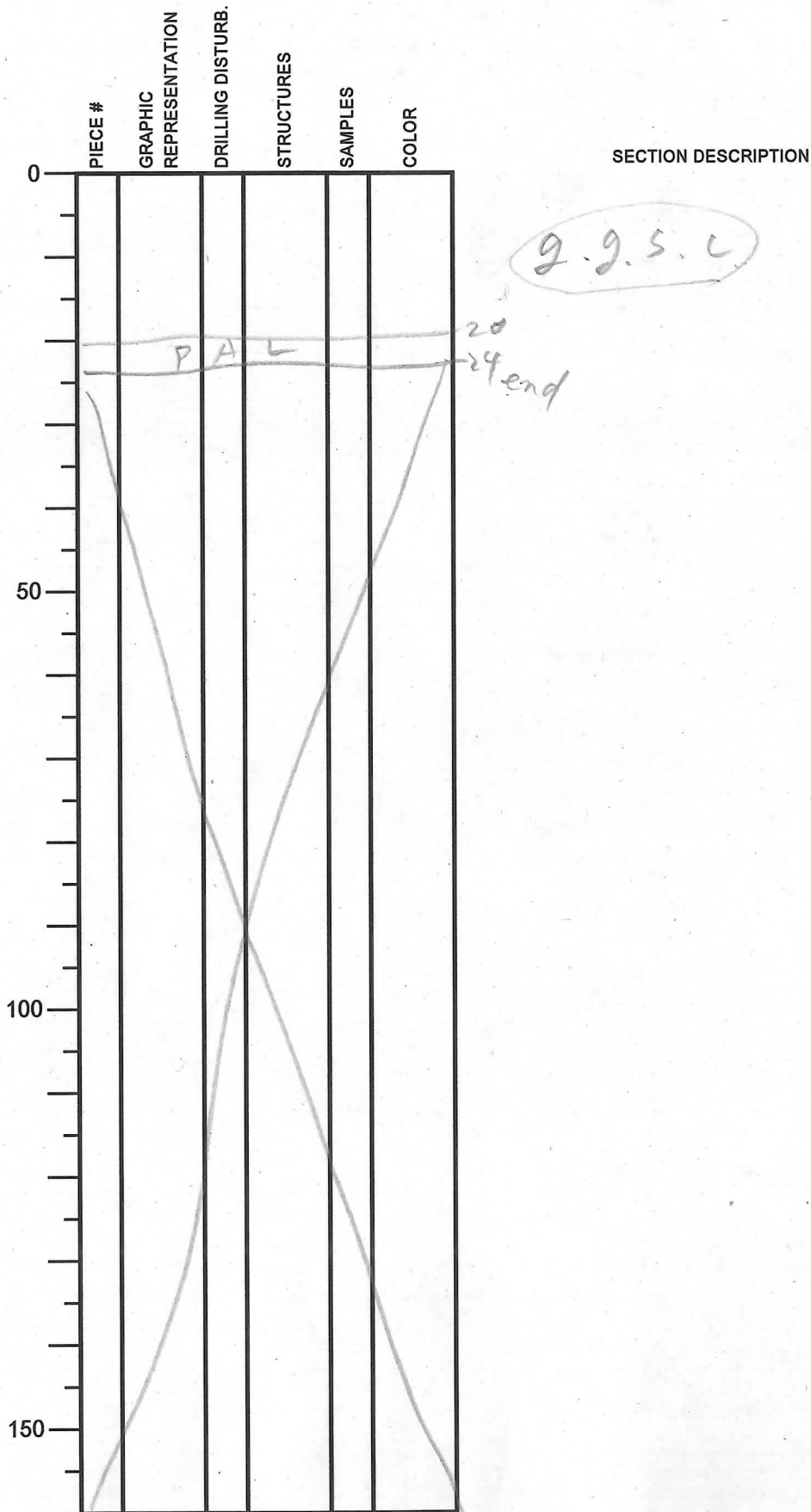
NO.  
 DATE: / / 20  
 EXP.:  
 SITE/HOLE: COO124  
 CORE: 22R  
 SECTION: 3  
 OBSERVER: H. Naruse





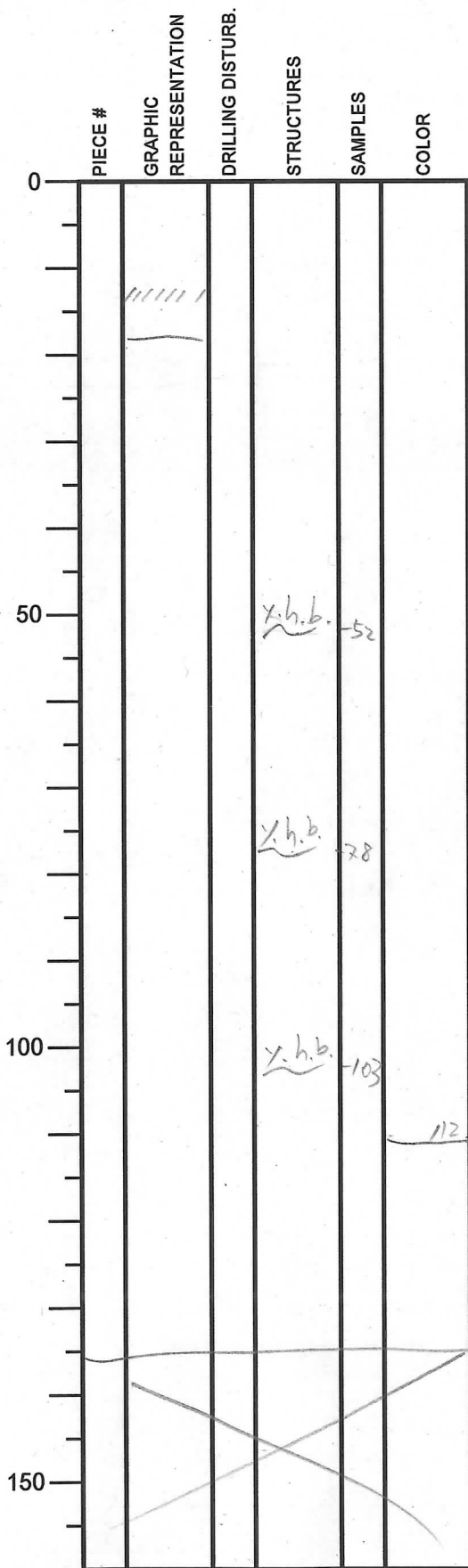
# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 4/28/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 22R  
 SECTION: CC  
 OBSERVER: M. Naruso



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: C001214  
 CORE: 23R  
 SECTION: 1  
 OBSERVER: H. Naruse



SECTION DESCRIPTION

g.g.s.c.

14 — grad. b.  
 18 — bioturbated deform. structure (dark band)  
 — sharp b. —

Heavy bioturb. (5)

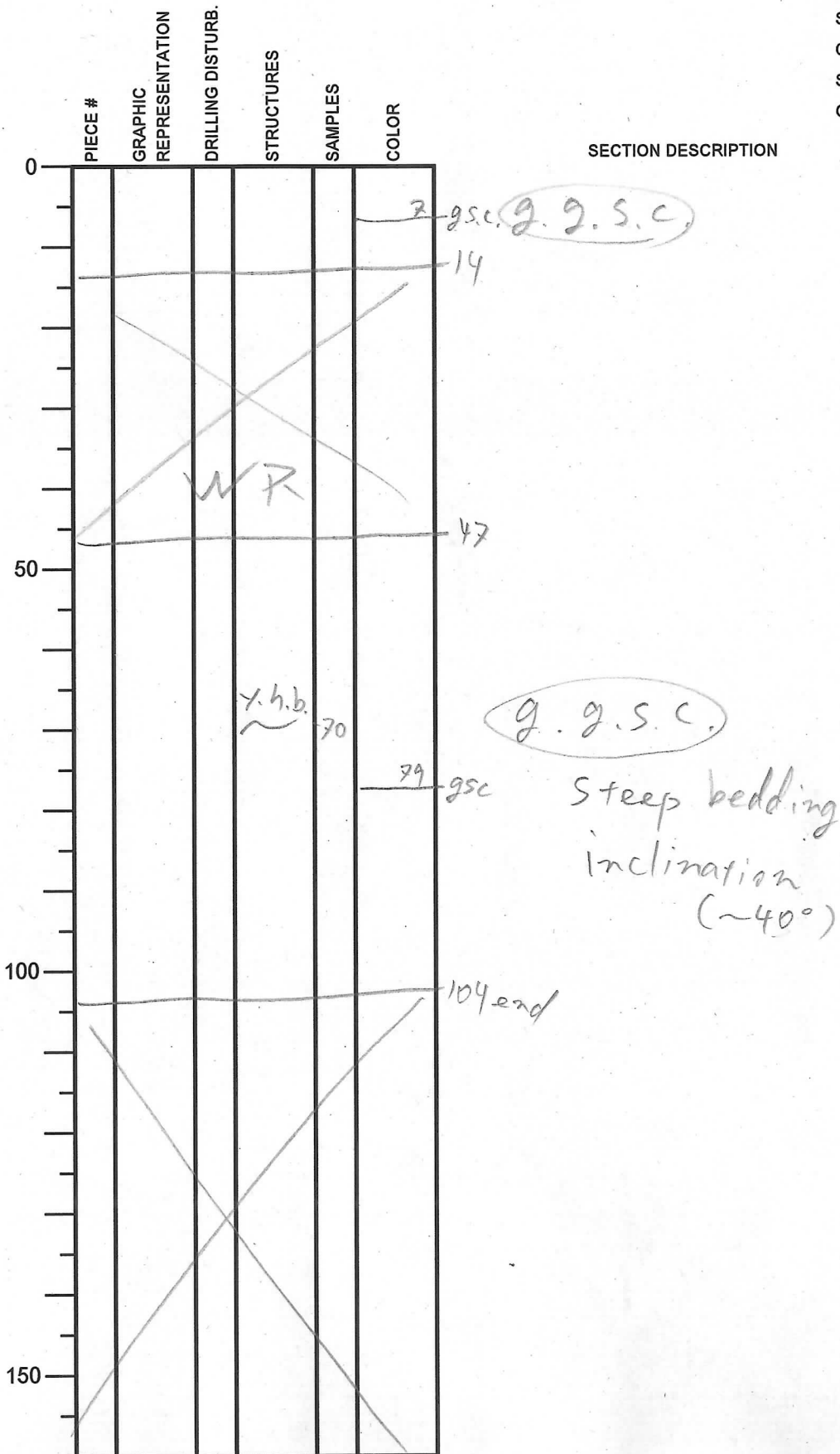
g.g.s.c.

steep bedding  
 inclination ~40°  
 toward working-half

176 end

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: 20012A  
 CORE: 23R  
 SECTION: 2  
 OBSERVER: H. Haruse



# Integrated Ocean Drilling Program Visual Core Description

NO.  
DATE: 9/28/2009  
EXP.: 322  
SITE/HOLE: C0012A  
CORE: 23R  
SECTION: 4  
OBSERVER: H. Naruse

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
					4 gsc
					7 gsc
					29 gsc
					43 gsc
50					51 gsc
					60 gsc
100					
150					

## SECTION DESCRIPTION

g.g.s.c.

steep bedding  
inclination

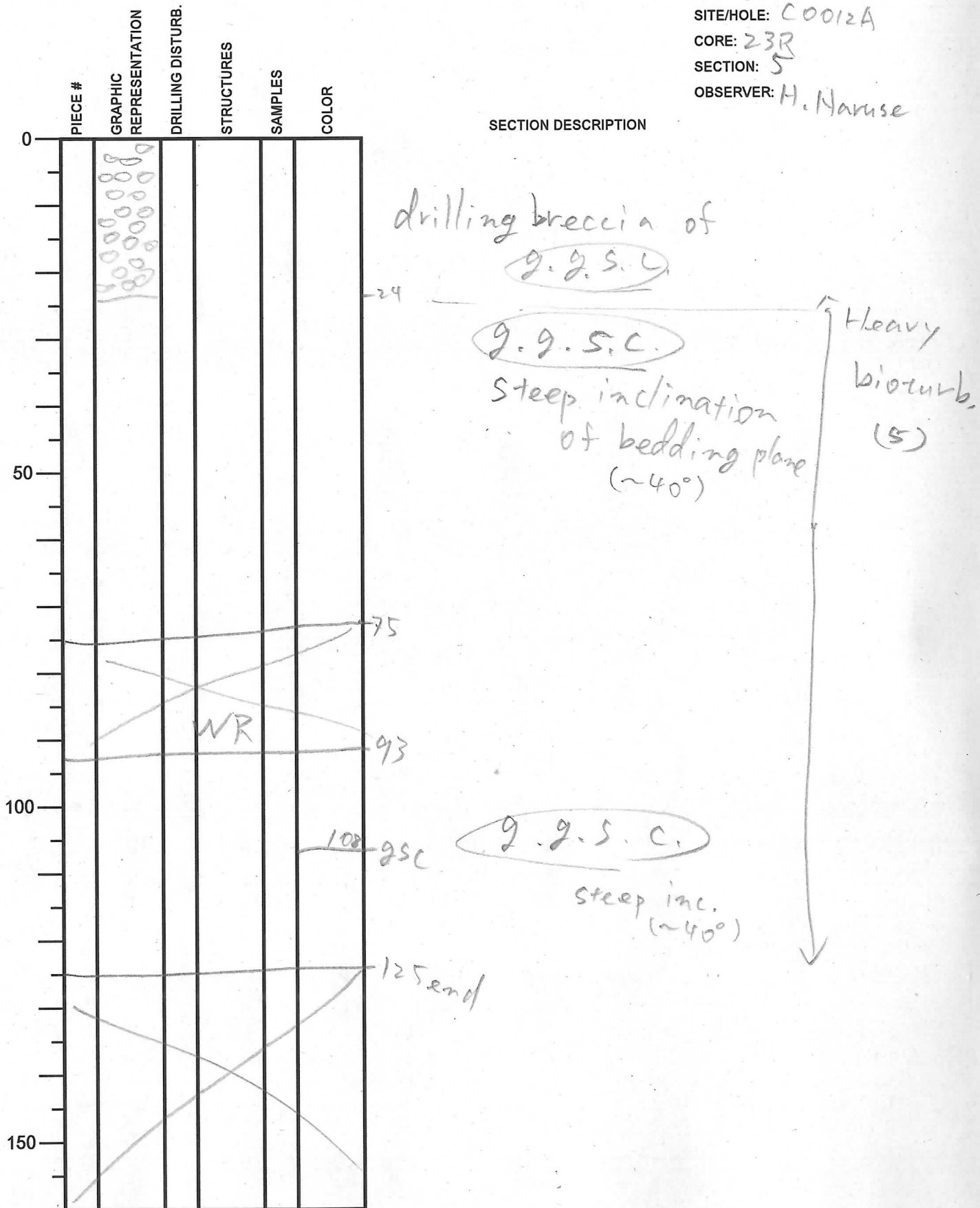
↑ heavy  
bioturb.  
(5)

130 end

# Integrated Ocean Drilling Program

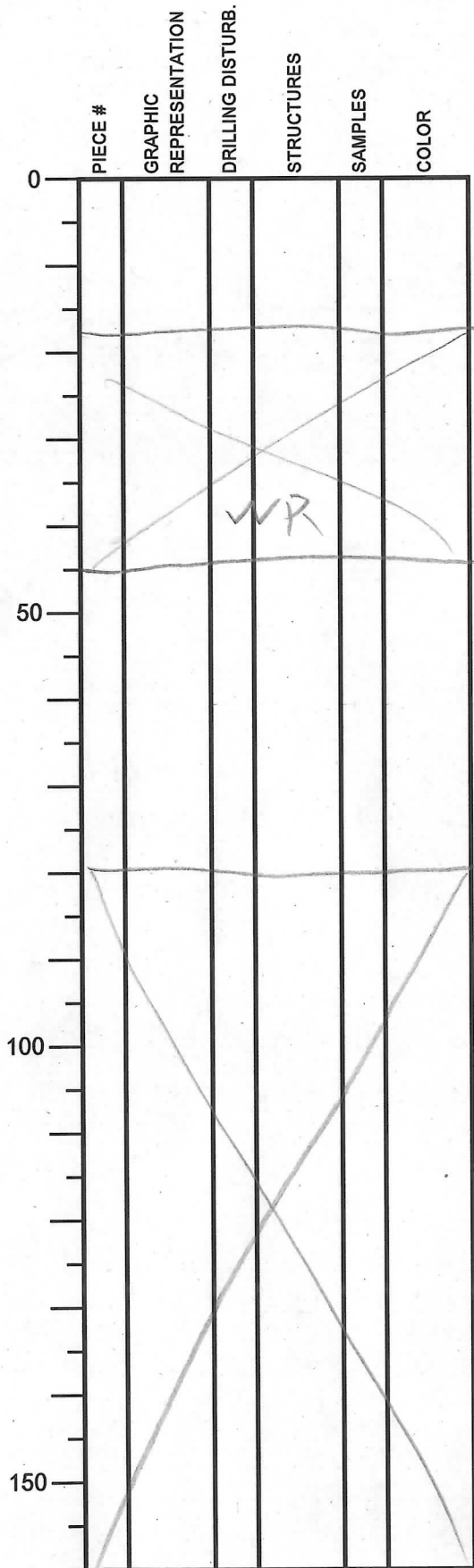
## Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 23R  
 SECTION: 5  
 OBSERVER: H. Naruse



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: / / 20  
 EXP.:  
 SITE/HOLE:  
 CORE:  
 SECTION: 6  
 OBSERVER: H. Naruse



SECTION DESCRIPTION

g. g. s. c.  
 steep inc. bed

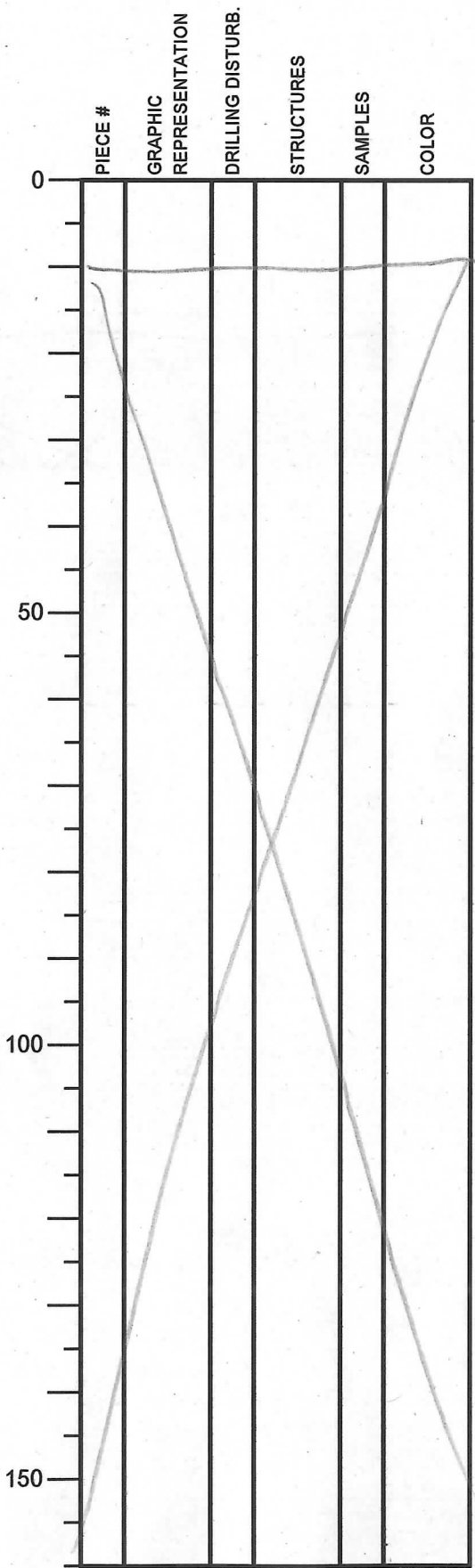
g. g. s. c.  
 steep inc. bed  
 (~40°)

↑ Heavy bioturb. (5)  
 ↓

# Integrated Ocean Drilling Program

## Visual Core Description

NO. \_\_\_\_\_  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 23R  
 SECTION: 7  
 OBSERVER: M. Naruse



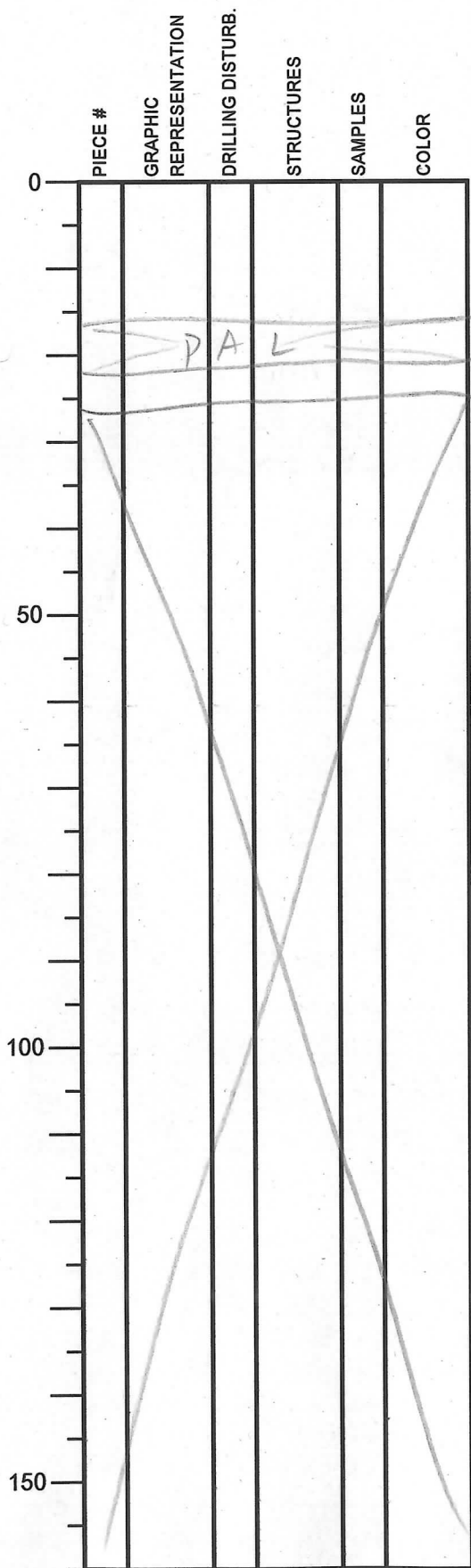
SECTION DESCRIPTION

drilling breccia of  
g.g.s.c.  
 steep inc. bed

↑ Heavy  
 ↓ bio. (S)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/28/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 23R  
 SECTION: CC  
 OBSERVER: H. Naruse



SECTION DESCRIPTION

S.S.C.

steep inc. bed  
(~40°)

1- Heavy bioturb. (5)



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 24R  
 SECTION: 1  
 OBSERVER: A. Haruse

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			<u>zhb</u>	1	
			<u>zhb</u>	4	
			<u>zhb</u>	10	
			<u>zhb</u>	16	
			<u>zhb</u>	25	
30					
50			WR		
			<u>zhb</u>	56	
			<u>zhb</u>	61	
			<u>zhb</u>	66	
100					
150					

SECTION DESCRIPTION

g.g.s.c.

g.g.s.c.

↑ Heavy bioturb. (5)

↓

74 end

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 24R  
 SECTION: 3  
 OBSERVER: H. Naruse

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
			shb.	10	9 gsc
					19 gsc
					28
			WR		50
50					
					69 gsc
			yhb	80	86 gsc
					98 gsc
100					
					127 gsc
					141 end
150					

SECTION DESCRIPTION

g.g.s.c.

g.g.s.c.

↑ Heavy  
bioturbation

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 9/28/2009  
 EXP.: 322  
 SITE/HOLE: COO12A  
 CORE: 24R  
 SECTION: 4  
 OBSERVER: H. Hause

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					5 gsc
					9 gsc
			rhb	15	
			rhb	40	
50					49 gsc
					53 gsc
					60 gsc
					69
100			WR		100 gsc
					102 gsc
					108 gsc
150					136end

SECTION DESCRIPTION

g.g.s.c.

Heavy  
bioturb.  
(5)

g.g.s.c.



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: / / 20  
 EXP.:  
 SITE/HOLE:  
 CORE:  
 SECTION: 5  
 OBSERVER: H. Naruse

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0			yhb	7	
50				22	gsc
100					
150			yhb	128	gsc
				139	gsc
				133	gsc
				141	end

SECTION DESCRIPTION

g.g.s.c.

↑

Heavy bioturb. (5)

↑

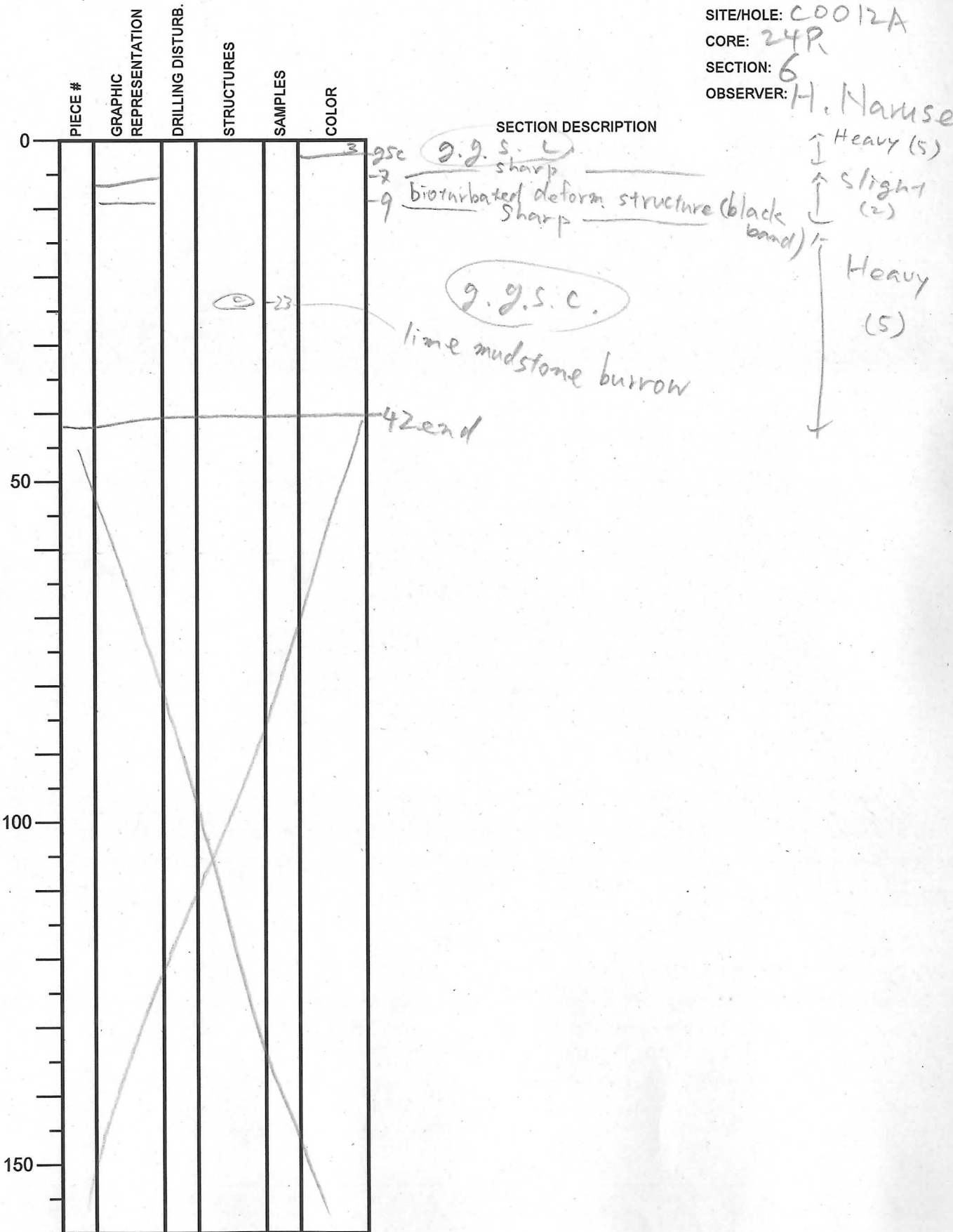
Intense drilling disturb.

↓

141

# Integrated Ocean Drilling Program Visual Core Description

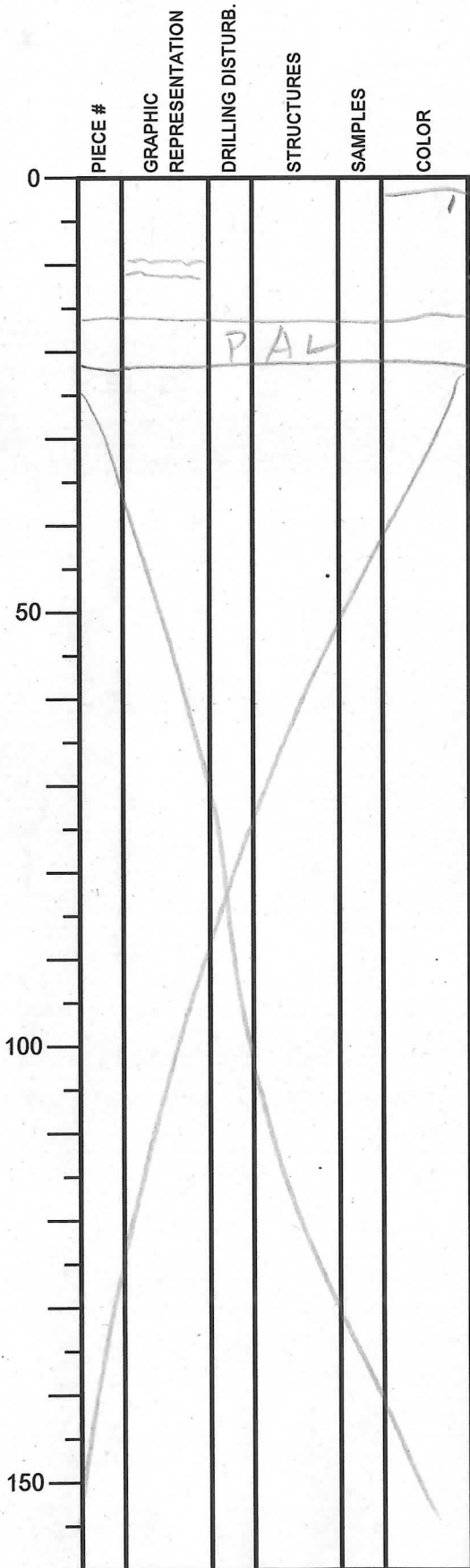
NO. \_\_\_\_\_  
 DATE: 9/28/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 24R  
 SECTION: 6  
 OBSERVER: H. Namuse



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 9/28/09  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 24R  
 SECTION: CC  
 OBSERVER: H. Haruse



SECTION DESCRIPTION

1 - gsc  
 11 - sharp b.  
 12 - sharp b. bioturb. deform. str.  
 16.5 - sharp b.  
 2 - g.s.c.  
 2 | end

g.g.s.c.  
 (black band)

Heavy  
 bioturb  
 (S)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 09/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 25R  
 SECTION: 1  
 OBSERVER: RS

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
				0cc 12		
				0cc 33		
50				0cc 57		
				WR		78cm
100						112cm
						121.5 end
150						

SECTION DESCRIPTION

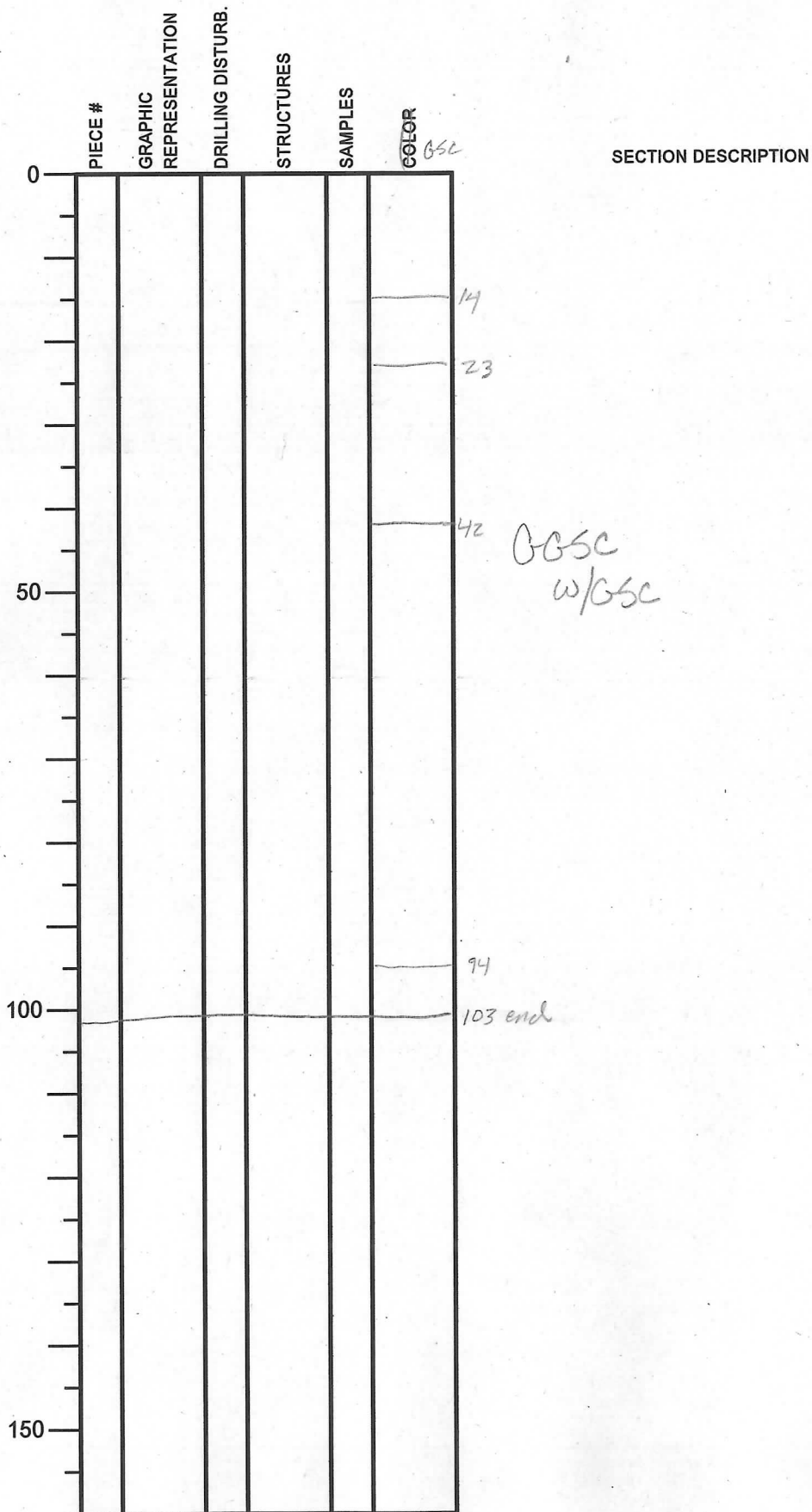
GGSC w/ GSC

FGSC w/ GSC

Bioturbation  
5  
(intense)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 09/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 25  
 SECTION: 3  
 OBSERVER: RS

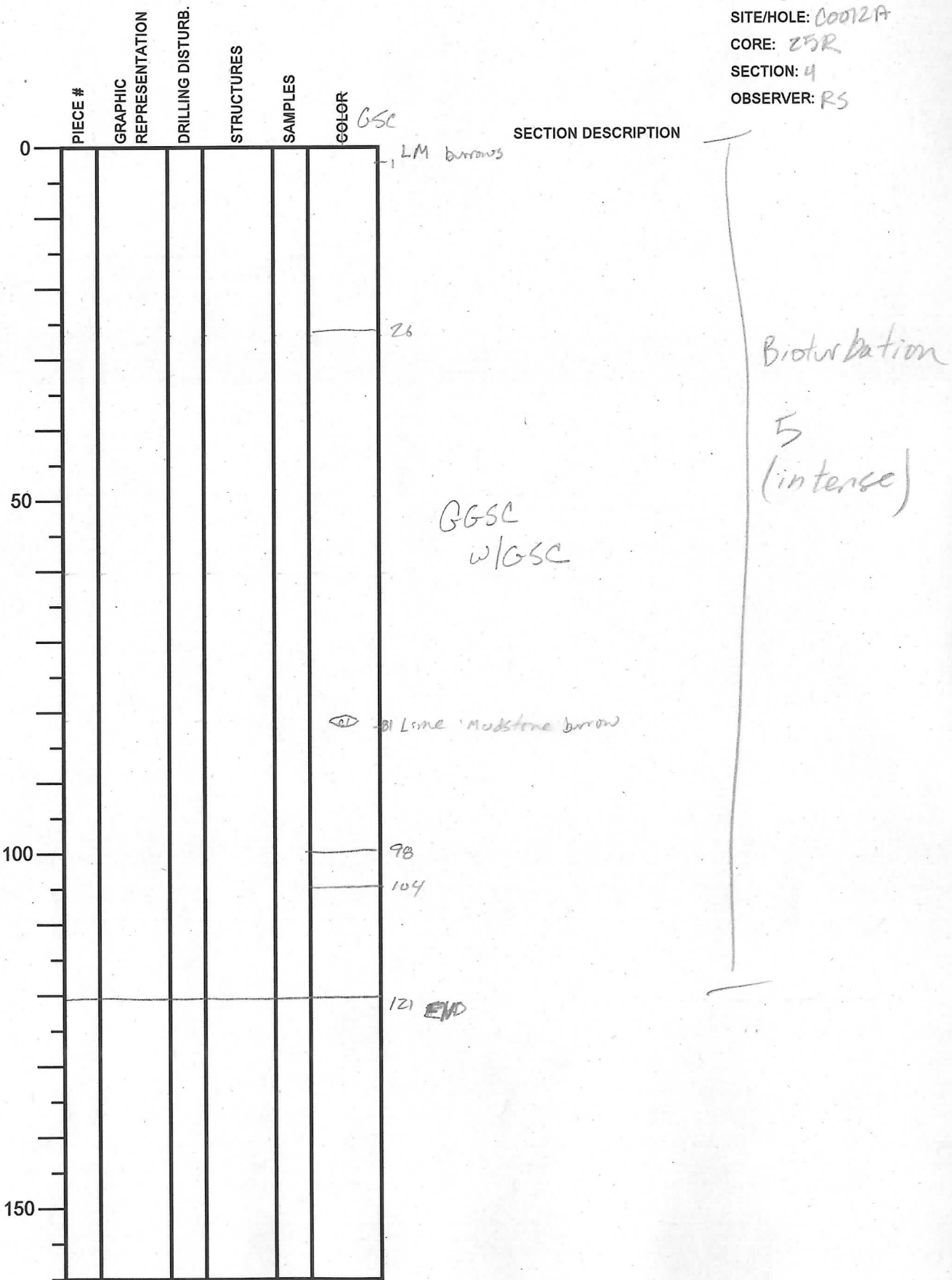


Bioturbation  
5  
(intense)



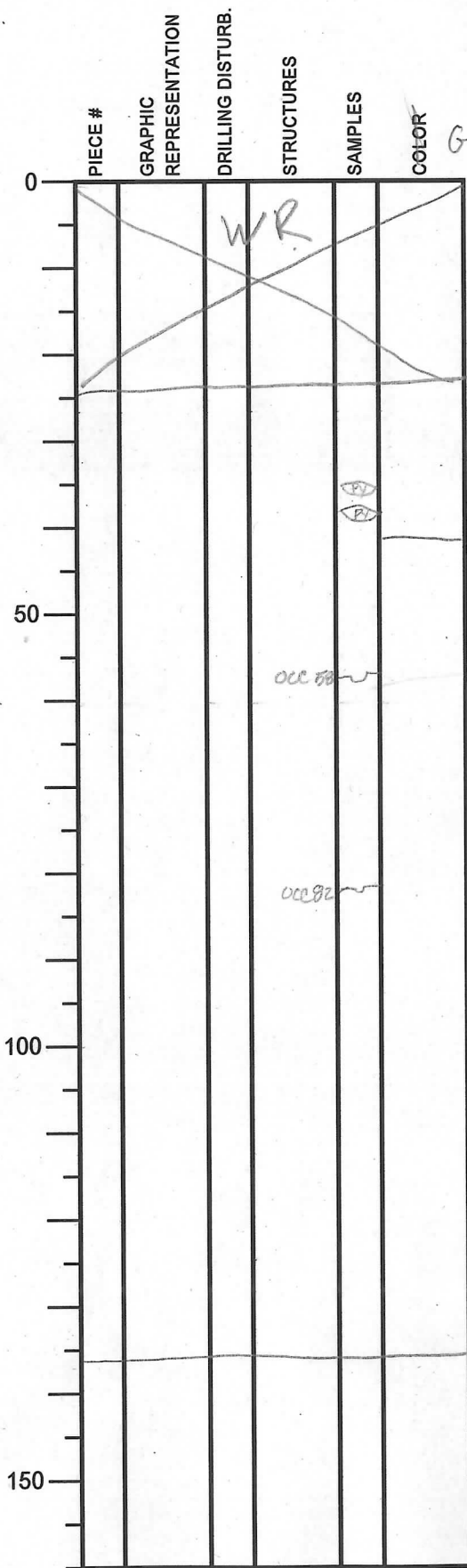
# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 09/28/2009  
 EXP.: 322  
 SITE/HOLE: 00012A  
 CORE: 25R  
 SECTION: 4  
 OBSERVER: RS



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 09/28/2009  
 EXP.: 322  
 SITE/HOLE: 00012A  
 CORE: 25R  
 SECTION: 5  
 OBSERVER: RS



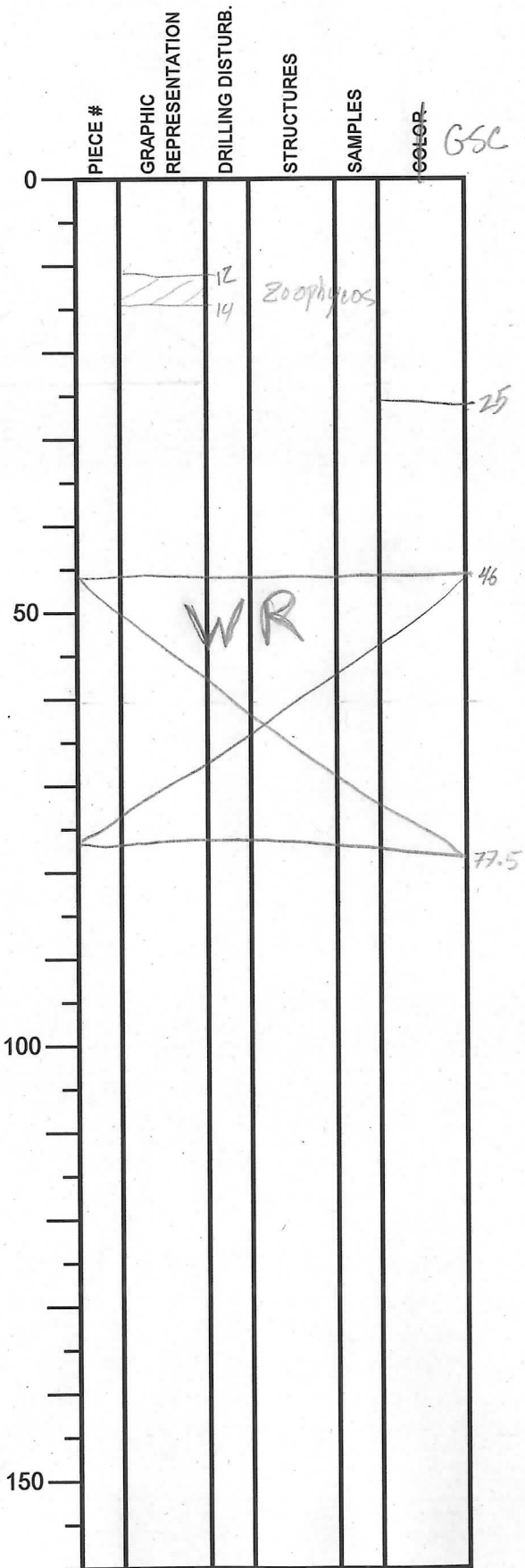
SECTION DESCRIPTION

GGSC w/GSC

Bioturbation  
 5  
 (intense)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 09/28/2009  
 EXP.: 322  
 SITE/HOLE: C0012A  
 CORE: 25R  
 SECTION: 6  
 OBSERVER:



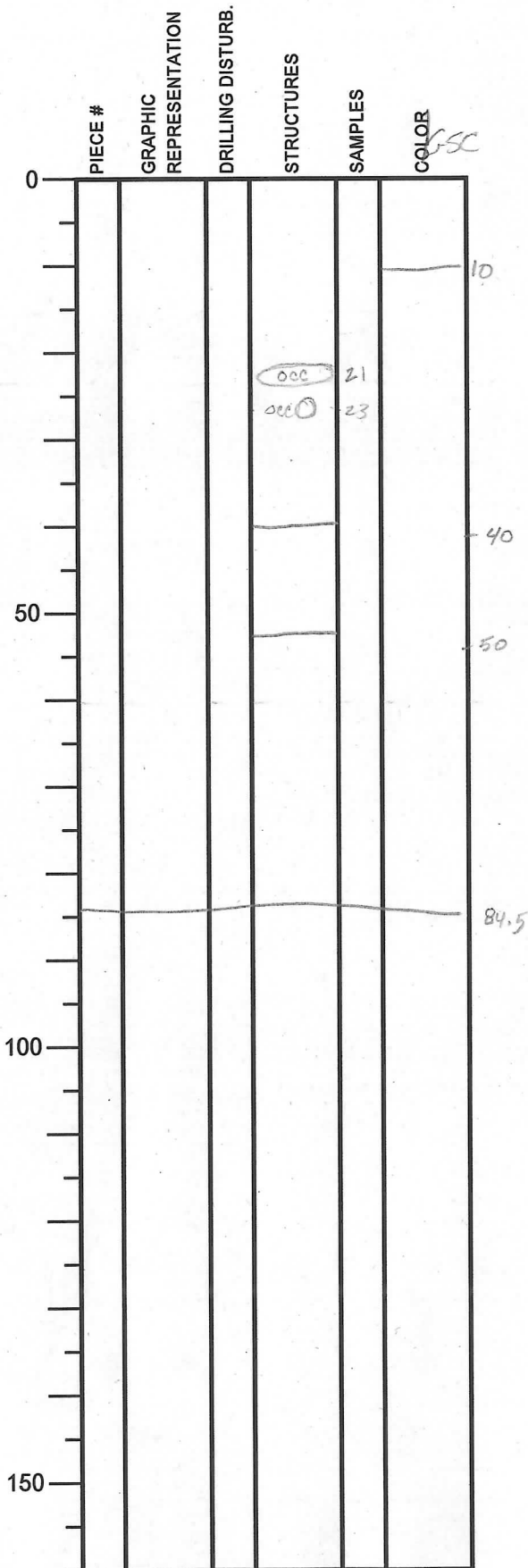
SECTION DESCRIPTION

GSC / GSC

Bioturbation  
 5  
 (intense)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 07/28/20 09  
 EXP.: 322  
 SITE/HOLE: C0012R  
 CORE: 25R  
 SECTION: 7  
 OBSERVER: RS



SECTION DESCRIPTION

G GSC w/GSC

Bioturbation  
5  
(intense)

Lime Mudstone?

Bio. Z  
(slight)

Bio.  
5  
(intense)

Intense  
Drilling  
Disturbance



# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 09/28/2009  
 EXP.: 322  
 SITE/HOLE: 00012A  
 CORE: 25R  
 SECTION: CC  
 OBSERVER:

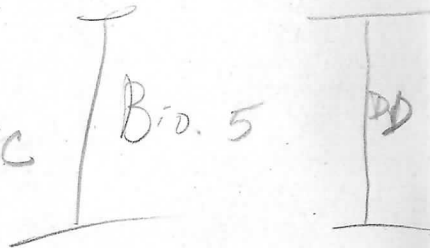
PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0					
			occ	B	
					17
					22 HMA HEND
50					
100					
150					

SECTION DESCRIPTION

GCSC w/GSC

Bio. 5

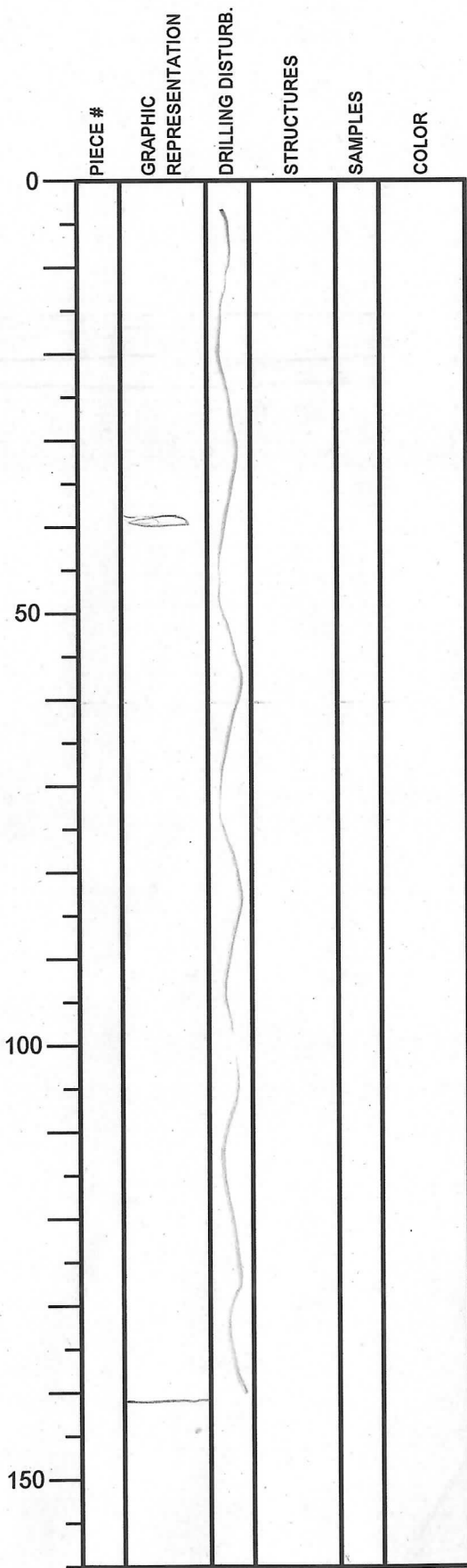
PD



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 29/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 26  
 SECTION:  
 OBSERVER: KTV/SLK



**SECTION DESCRIPTION**

CCSC/CS  
 ROTURBATION 5 (INTENSE)  
 (DRILLING DISTURBED INTO  
 BISCUITS)

=38-39 cm DIAGENETIC CARBONATE CEMENT  
 IN CUTTING

141.0 cm END

# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 29/09/2009

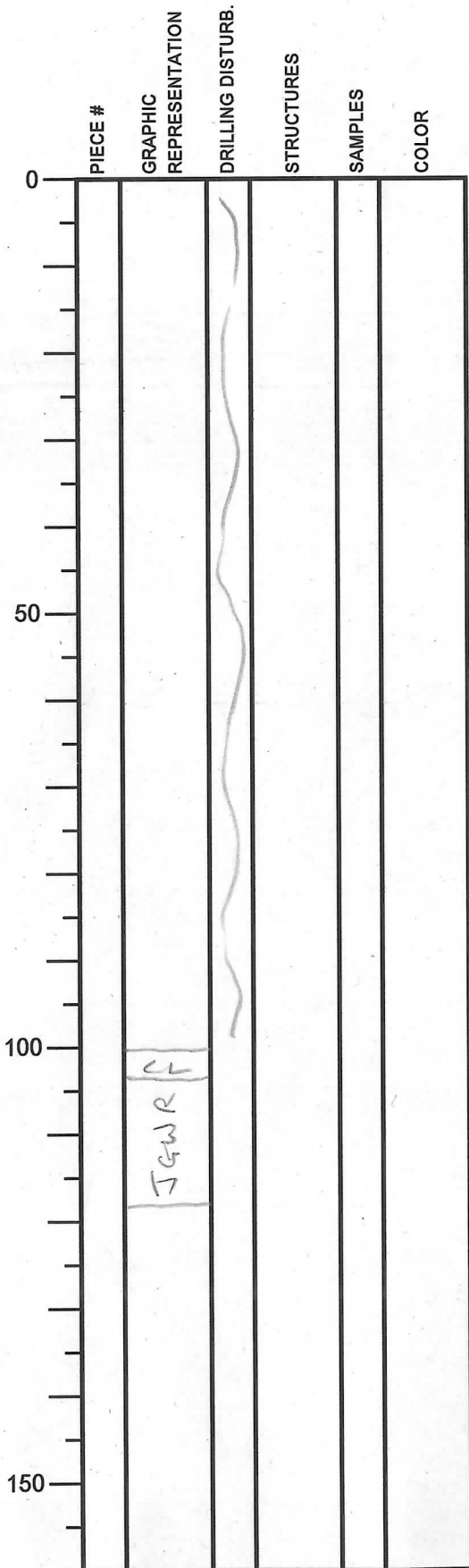
EXP.: 322

SITE/HOLE: C0012

CORE: 26

SECTION: 2

OBSERVER: KDP/SK



## SECTION DESCRIPTION

GCSC/GSC  
BIOT. 5 (INTERSE)  
(DRILLING DISTURBED  
INTO BISCUITS)

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 2/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 26  
 SECTION: CC  
 OBSERVER: KTD/SK

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR	SECTION DESCRIPTION
0		PAL					GGSC/GSC
						-4.0 cm	BIOT. 5 (INTENSE)
						-9.0 cm	END
50							
100							
150							



# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 29/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 27  
 SECTION: /  
 OBSERVER: kwp/sk

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0						-5 cm GSC
						GGSC/GSC ROT. 5 (INTENSE)
						-27.0 cm GSC
						-33.5 cm END
50						
100						
150						

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 29/07/20 09

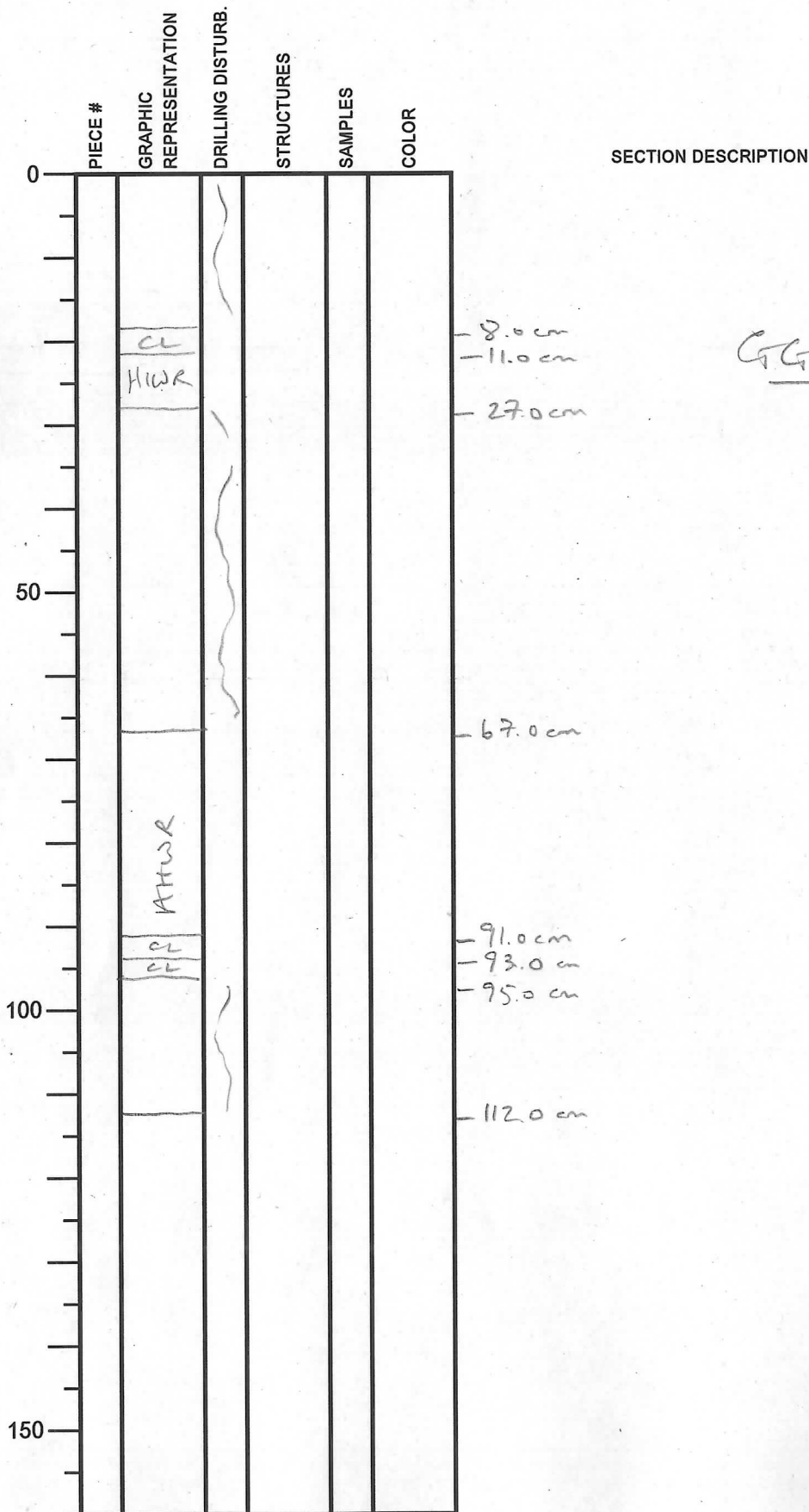
EXP.: 322

SITE/HOLE: C0012

CORE: 27

SECTION: 3

OBSERVER: KTR/dk



GGSC/GSC  
B.G.T.S (INTENSE)

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 29/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 27  
 SECTION: 4  
 OBSERVER: KJP/ku

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

SECTION DESCRIPTION

GSC/GSC  
 BIOT. 5 (INTENSE)  
 (DRILLING DISTURBED)

46.0 cm GSC

76.0 cm GSC

120.0 cm GSC  
 121.0 cm END

# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 21/01/2009

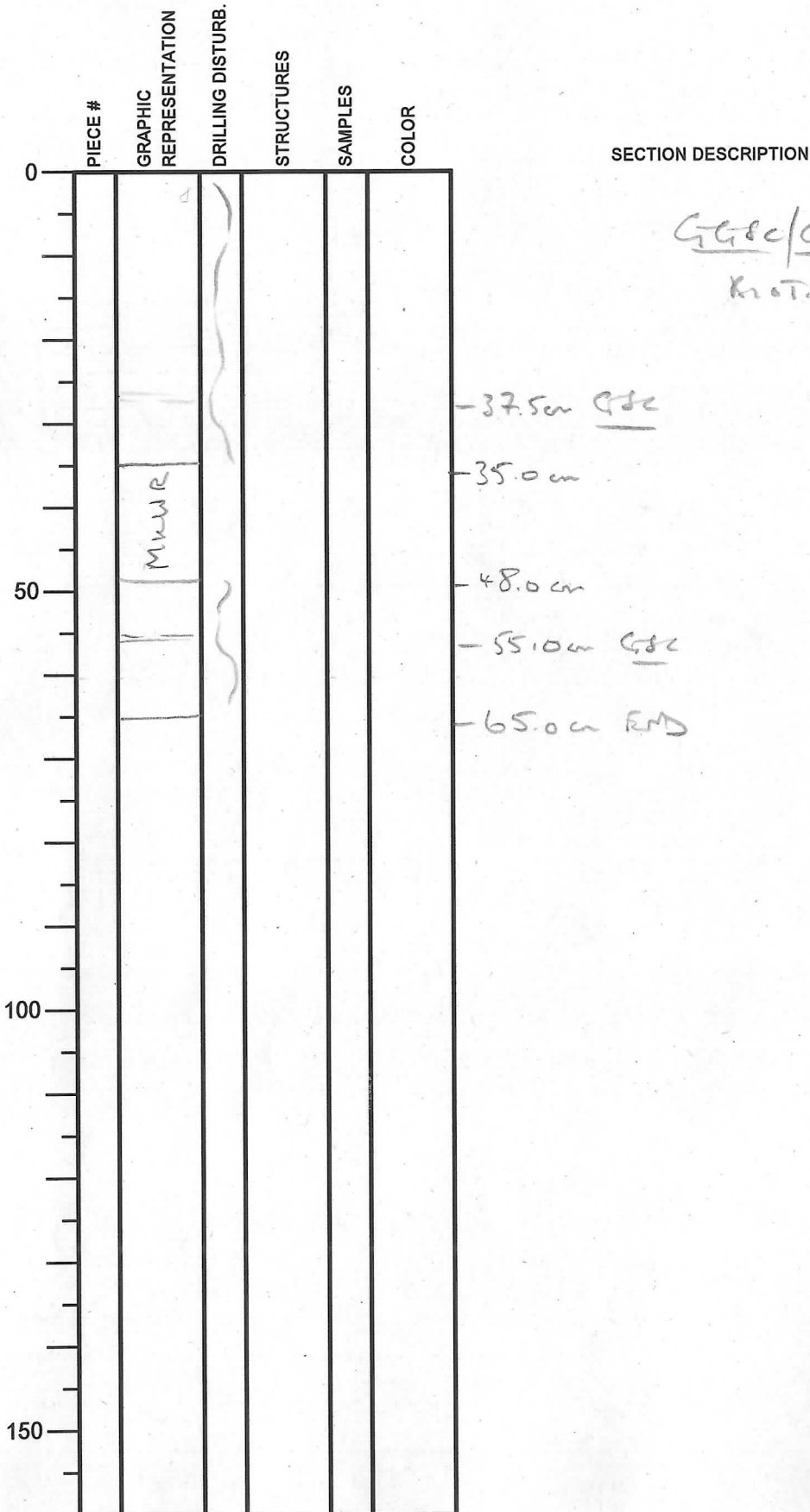
EXP.: 322

SITE/HOLE: C5012

CORE: 27

SECTION: 5

OBSERVER: KJP/SK



# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 29/09/2009

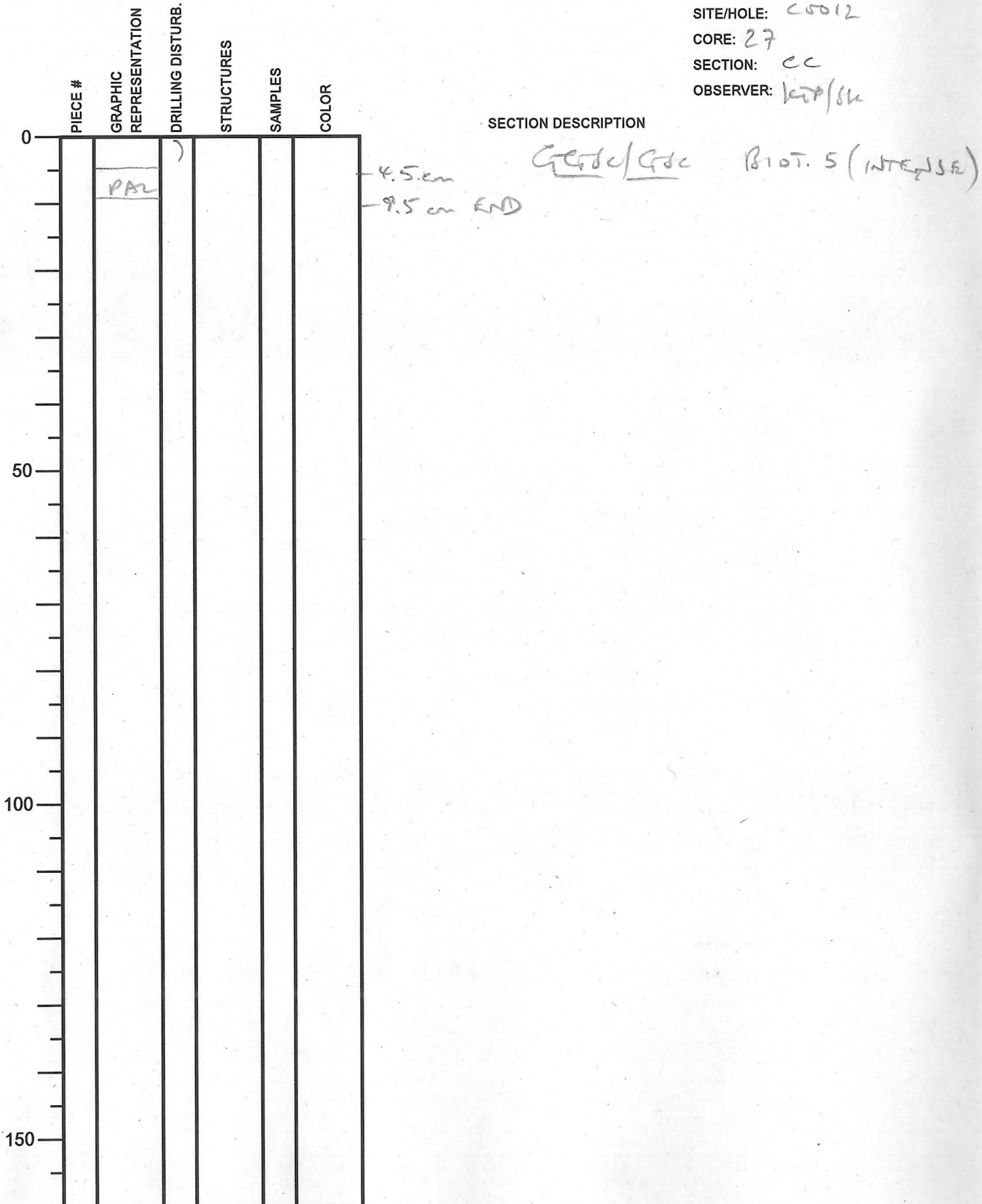
EXP.: 322

SITE/HOLE: C0012

CORE: 27

SECTION: CC

OBSERVER: KDP/SK



# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 29/09/2009

EXP.: 322

SITE/HOLE: C5012

CORE: 28

SECTION: 1

OBSERVER: KAP/SK

	PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	COLOR
0						
50			(Wavy line indicating disturbance)			
100						
150						

SECTION DESCRIPTION

G/GC/GSC

BIOT. 5 (INTENSE)

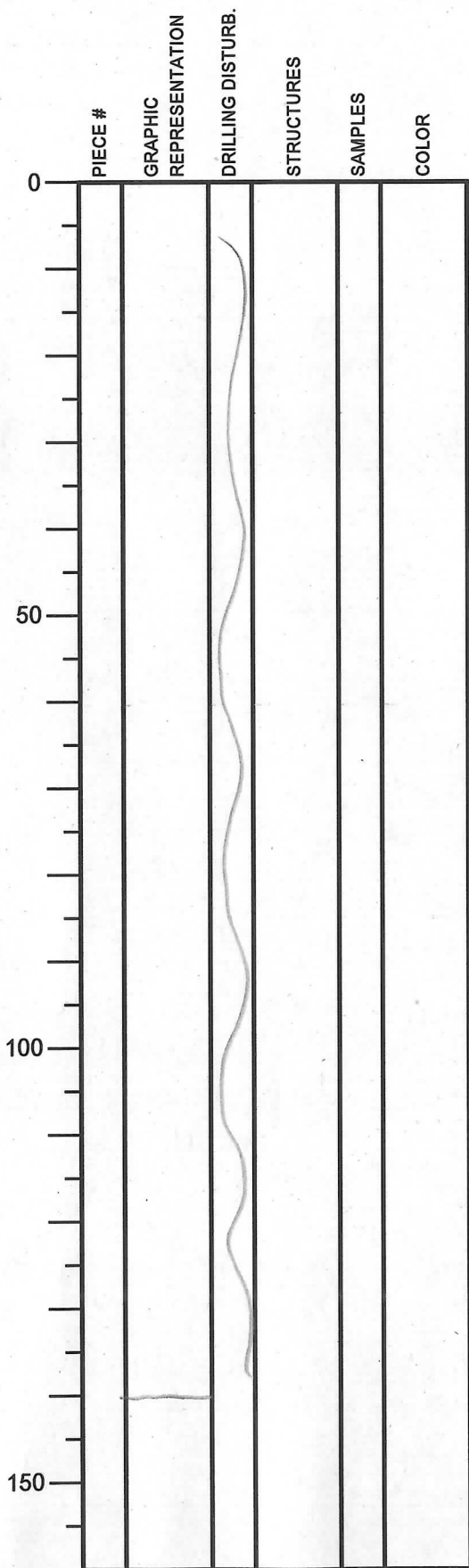
(POOR CORE QUALITY FOR VCD)

-95.0 cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 29/08/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 28  
 SECTION: 3  
 OBSERVER: KCP/SK



SECTION DESCRIPTION

GSB/GSB

Bot. 5 (INTENSE)

(POOR CORE QUALITY  
 FOR ICD)

140.0 cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 29/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 28  
 SECTION: 4  
 OBSERVER: kwp/ok

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

SECTION DESCRIPTION

GGS1/GS2  
 BIOT. 5 (INTENSE)  
 (POOR CORE QUALITY FOR VCI)

-59.0 cm END



# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 29/07/09

EXP.: 322

SITE/HOLE: C0012

CORE: 28

SECTION: CC

OBSERVER: kwp/sh

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

SECTION DESCRIPTION

GSC/GSC B.O.T. 5 (INTENSE)  
(OCHRE BURROWS)

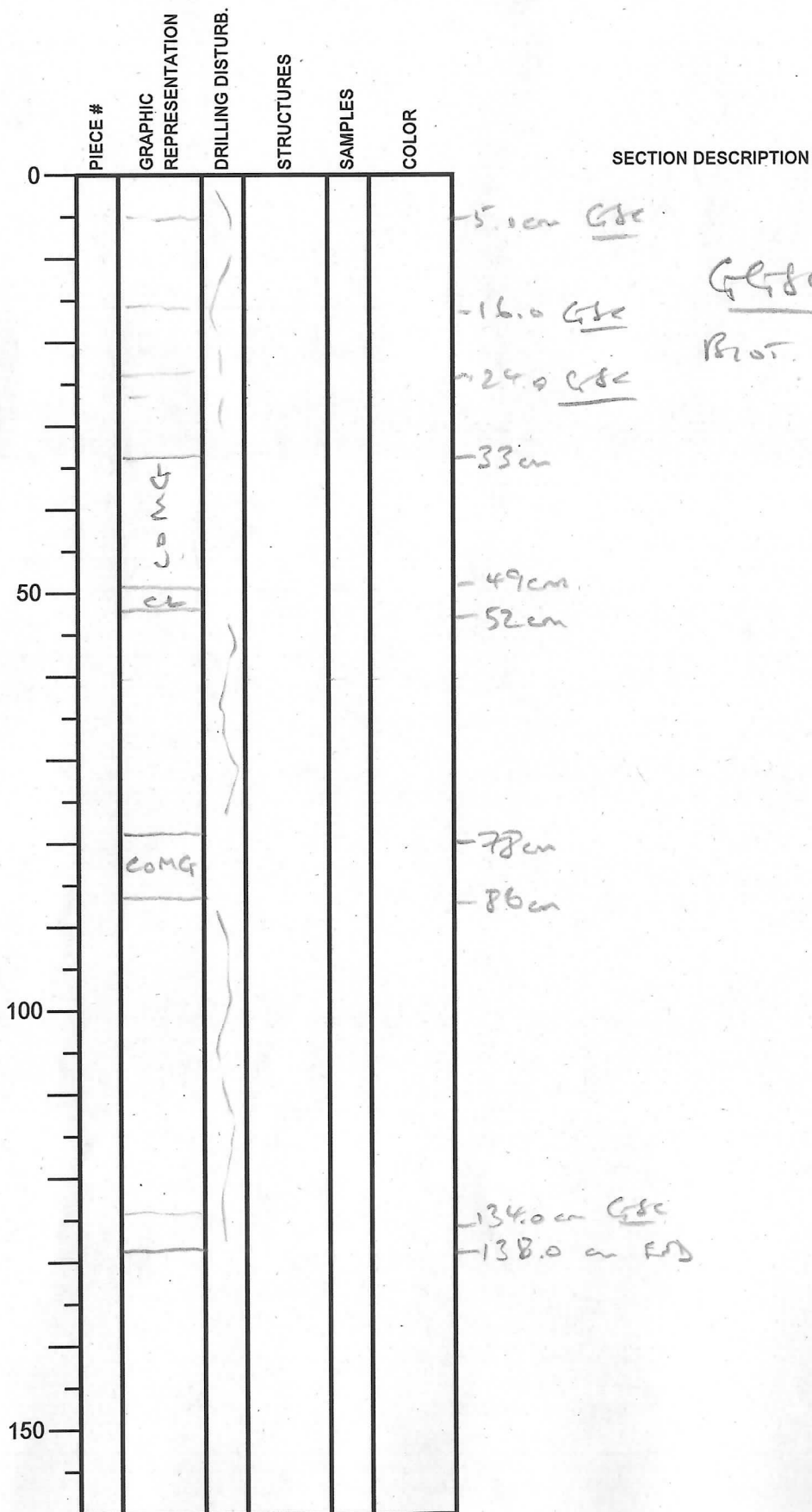
-15.5 cm

-20.5 cm END

# Integrated Ocean Drilling Program

## Visual Core Description

NO.  
 DATE: 29/09/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 29  
 SECTION: 1  
 OBSERVER: KDO/SK



Gbc/Gbc  
 Prot. 5 (INTENSE)

# Integrated Ocean Drilling Program Visual Core Description

NO.

DATE: 29/09/2009

EXP.: 322

SITE/HOLE: C 5012

CORE: 29

SECTION: 2

OBSERVER: KJP/JSK

PIECE #	GRAPHIC REPRESENTATION	DRILLING DISTURB.	STRUCTURES	SAMPLES	SECTION DESCRIPTION
0					
	CC				-7cm Gbc <u>GCIC/GSC</u> BIOT. 5 (INTENSE)
	RDS				-13cm
	WR				-15cm
	WR				-24cm
	BDR				
	BDR				
	BDR				
					-47.5cm FSD
50					
100					
150					

# Integrated Ocean Drilling Program

## Visual Core Description

NO.

DATE: 21/09/20 09

EXP.: 322

SITE/HOLE: C0012

CORE: 29

SECTION: 4

OBSERVER: KTR/SK

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

SECTION DESCRIPTION

~~GSC~~ / GIC  
 -10cm GSC  
 BIOT. 5 (INTENSE)

-34cm GIC  
 -36cm GIC  
 -38cm GIC

-56.0 cm END

# Integrated Ocean Drilling Program Visual Core Description

NO.  
 DATE: 29/07/2009  
 EXP.: 322  
 SITE/HOLE: C0012  
 CORE: 29  
 SECTION: CC  
 OBSERVER: KJP/SK

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

SECTION DESCRIPTION

GCSC/CSC BIOT.5 (INTENSE)

-10.0 cm

-15.0 cm END