

International Ocean Discovery Program Visual Core Description

NO. 128

KUT

DATE: 2019 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 1

SECTION: FI

TOP DEPTH (m CSF): 1860

OBSERVER: Martha / Stephen / Salish

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				* Finest sand with clasts of exfoliated mudstone. Pebbles of Basalt Amphibolitic rock.		0-25 - Observed Core - mst TS in hole on hd. amphibolite is not
25				No contact observed due to drilling		0.25 to 40 mst with in hole sst. Contact is not sharp but gradational
50				discrete clasts of mst		fine sst 40-85cm - 5 phos into
75				Irregularly bedded sample as seen from core gas		86 to 90 mst thin bedded
100				Sandstone		90 to 115 mst mudstone + mst
105				Black		Pebbles and gravel - contact
110				lithoclasts of pebbles		Sst → clasts of adularia igneous rocks
120				flakes of metal - bright xrc		detrital beds, more quartz
130						→ fissured nodules calc
140						142 to 155.5 gravel + sst
150						

→ photo graph*

→ X R b

NO Core Cattle log sheet.

International Ocean Discovery Program Visual Core Description

NO.

DATE: 20/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ *P*

CORE: 2

SECTION: 1+CC

TOP DEPTH (m CSF):

OBSERVER: SAB+ST

ENTERED INTO J-CORES (DATE): 20/9/2016

LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
100						
150						

*No paper log
entered directly to
J-CORES*

*→ Drilling
disturbed
Interval*

original

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 22/9/2016

3:41am

CORE:

3F

OBSERVER:

Man Yin

EXPEDITION: 370

SECTION:

1

ENTERED INTO J-CORES (DATE): 22/9/2016

SITE/HOLE: C0023/

A

TOP DEPTH (m CSF):

202

LOGGED FROM X-CT: YES / NO

140cm long

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Mud, very wet, w/ grains
19						Mud, shattered probably by drilling, harder
31						Mud w/ horizontal layering and gaps up to 1.5 cm wide, probably due to drilling, harder
50						
70						Mud, very wet
74						Drilling disturbed mud, harder
82						Mud, relatively drier, mildly disturbed by drilling
95						
99						
100						stiffer mud, relatively dry, sth hard inside
106						
108						
114						wetter mud wedge in dry mud
117						Drilling disturbed mud (0.8cm gap) 121cm
124						Very wet mud
130						Drier mud, disturbed probably drier disturbed
150						

Harder mud → ~~mudrock~~ mudstone

original

International Ocean Discovery Program Visual Core Description

NO.

DATE: 22/9/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 3F
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: Man-Yin
ENTERED INTO J-CORES (DATE): 22/9/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY	SILT	FINE SAND	COARSE SAND	GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0										
8										Mudstone, same as 3F-1 bottom - observe few fine sand red in color, oxidized pyrite or the red grain we see frequently SAND / GRAVEL Visible red jasper/feldspar (2mm) grain, 3mm light grey grains (rock fragments?) Microscope: Qtz, basaltic and some acidic rock fragments, muscovite & biotite Disturbed mud rock w/ biotite, hematite, Qtz, mafic grains
39								-13cm 3mm carbonate shell -17cm 3mm scoria, white		
50										
54cm										
100										
150										

International Ocean Discovery Program Visual Core Description

NO.

DATE: 21/9/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 3

SECTION: 3

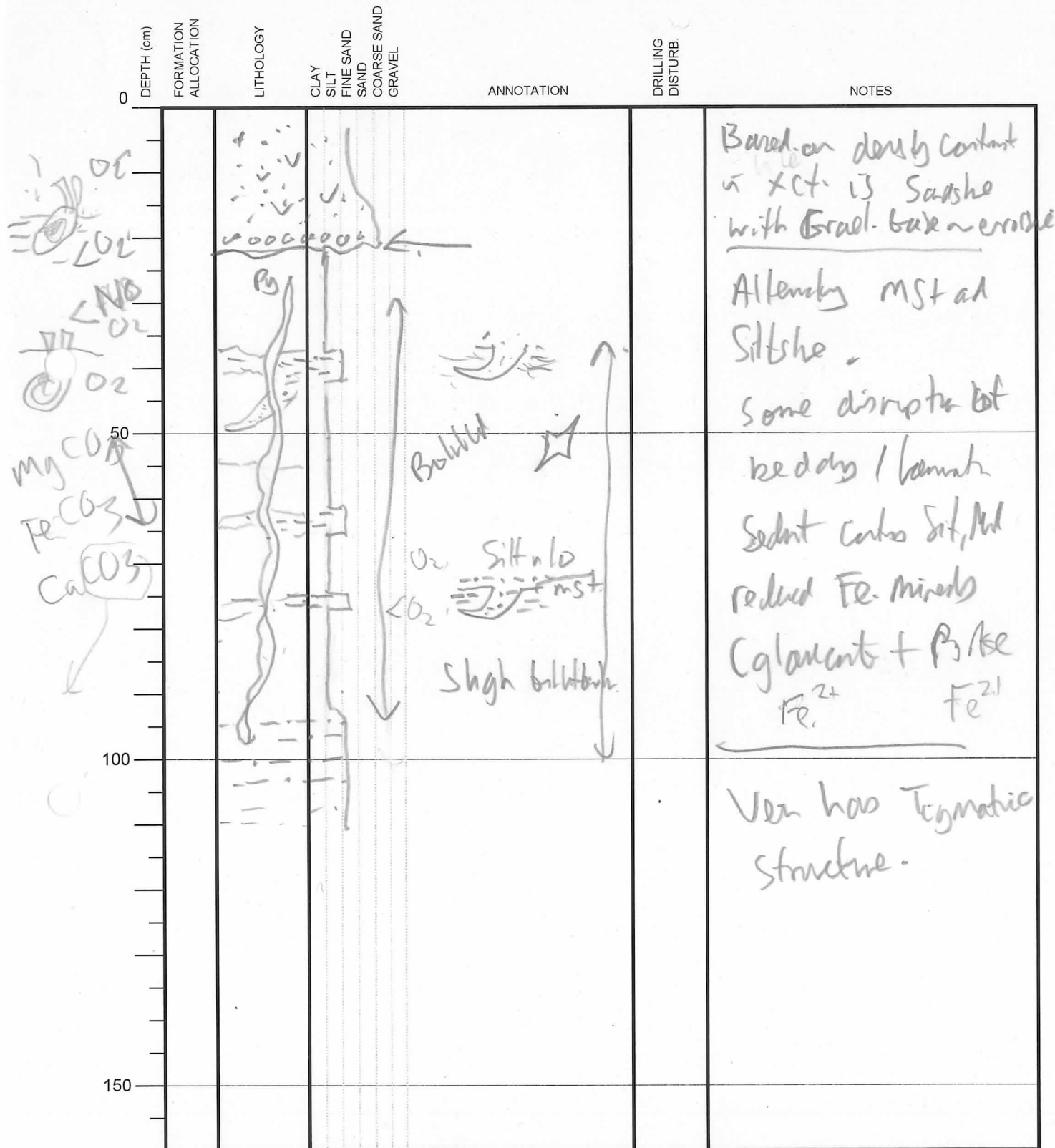
TOP DEPTH (m CSF):

203.935

OBSERVER: SAB ST

ENTERED INTO J-CORES (DATE): 22/9/2016

LOGGED FROM X-CT: YES / NO



original

International Ocean Discovery Program Visual Core Description

NO.

DATE: 22 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

3F

SECTION:

CC

TOP DEPTH (m CSF):

OBSERVER:

Man-Yin

ENTERED INTO J-CORES (DATE): 22 / 9 / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
29						Same as 3F-2 bottom Silt, not majority, not not mafic grains, biotite, hematite
37.5cm						Moderately Slightly disturbed siltstone Microscope: Biotite, a hematite grain, a lot of mafic grains
50						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 22/9/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 5

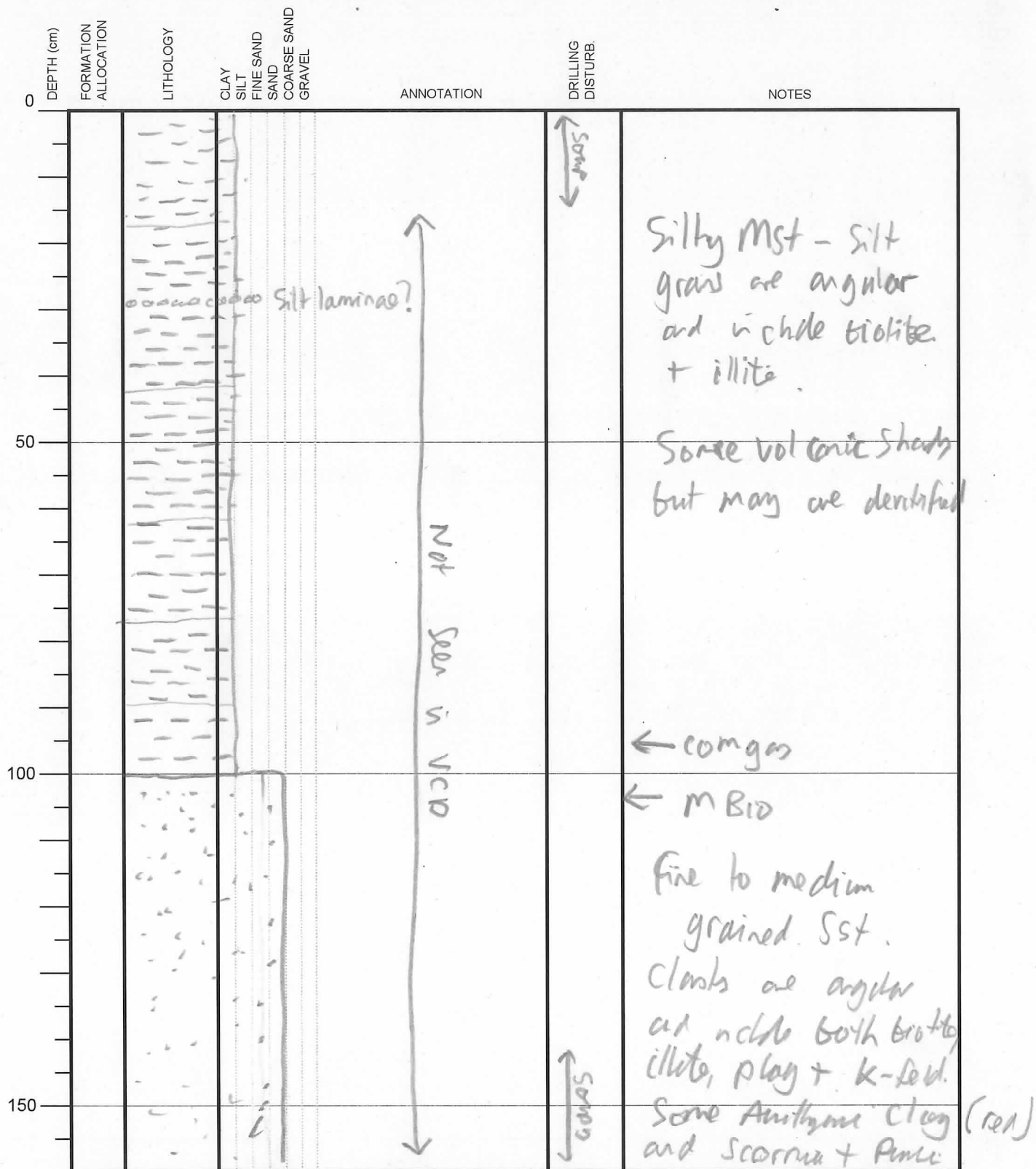
SECTION: 1

TOP DEPTH (m CSF): 256

OBSERVER: SAB + ST

ENTERED INTO J-CORES (DATE): 22/9/2016

LOGGED FROM X-CT (YES/NO)



CC and Section 2.

NO VCD → too disturbed.

Not as many volcanic fragments

International Ocean Discovery Program Visual Core Description

NO.

DATE: 239 / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE:

SECTION:

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
10.5cm						Mud w/ carbonate concretions Silty, w/ Qtz, biotite, K-feld. matrix grains
50						
100						
150						

SP 2 ?
foram
More log sheets

International Ocean Discovery Program Visual Core Description

NO.

DATE: 33 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 6T

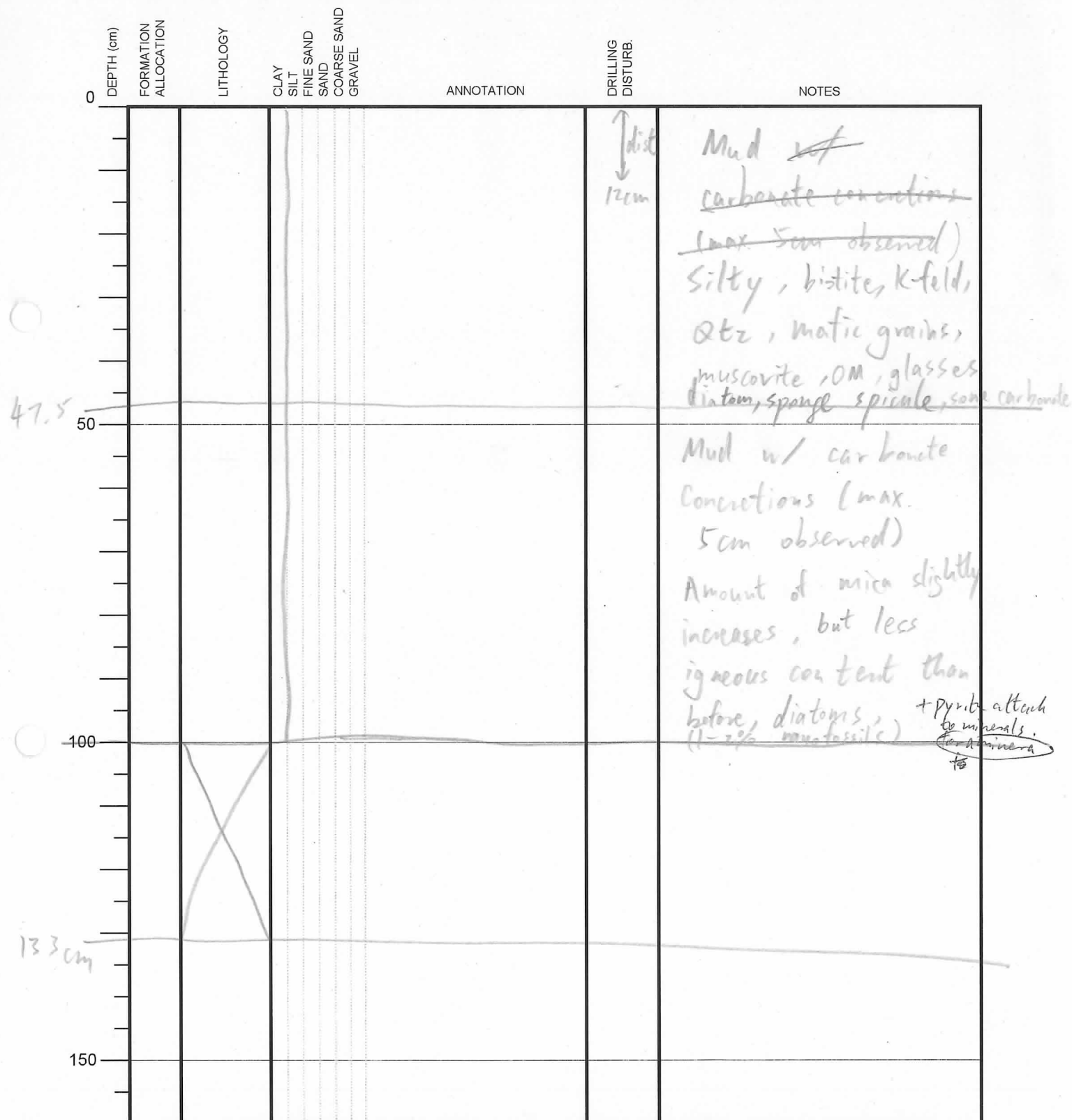
SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: Man-Yin

ENTERED INTO J-CORES (DATE): 1 / 1 / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 23 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 6F

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: Man-Yin

ENTERED INTO J-CORES (DATE): 11 / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
8.5cm						Mud rock silty, w/ Qtz, biotite, K-feld, mafic grains
50						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 23 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE:

SECTION:

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE):

LOGGED FROM X-CT: YES / NO

Man-Yin

11 / 2016

302

A

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Mudrock, disturbed (moderately) Pyrite (2mm)
32						Mud rock Pyrite (2mm) Vitrinite (3mm) Lithic fragments (max 5mm)
50						
62						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 2/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE:

SECTION:

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): 2/1 / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
17						CONGAS: Mostly Clay Some shiny grains, either pyrite/mica
30						Mudrock, mostly clay
36						Silt, smear slide
50						Mudrock
100						
127						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 23/1/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

7x

SECTION:

3

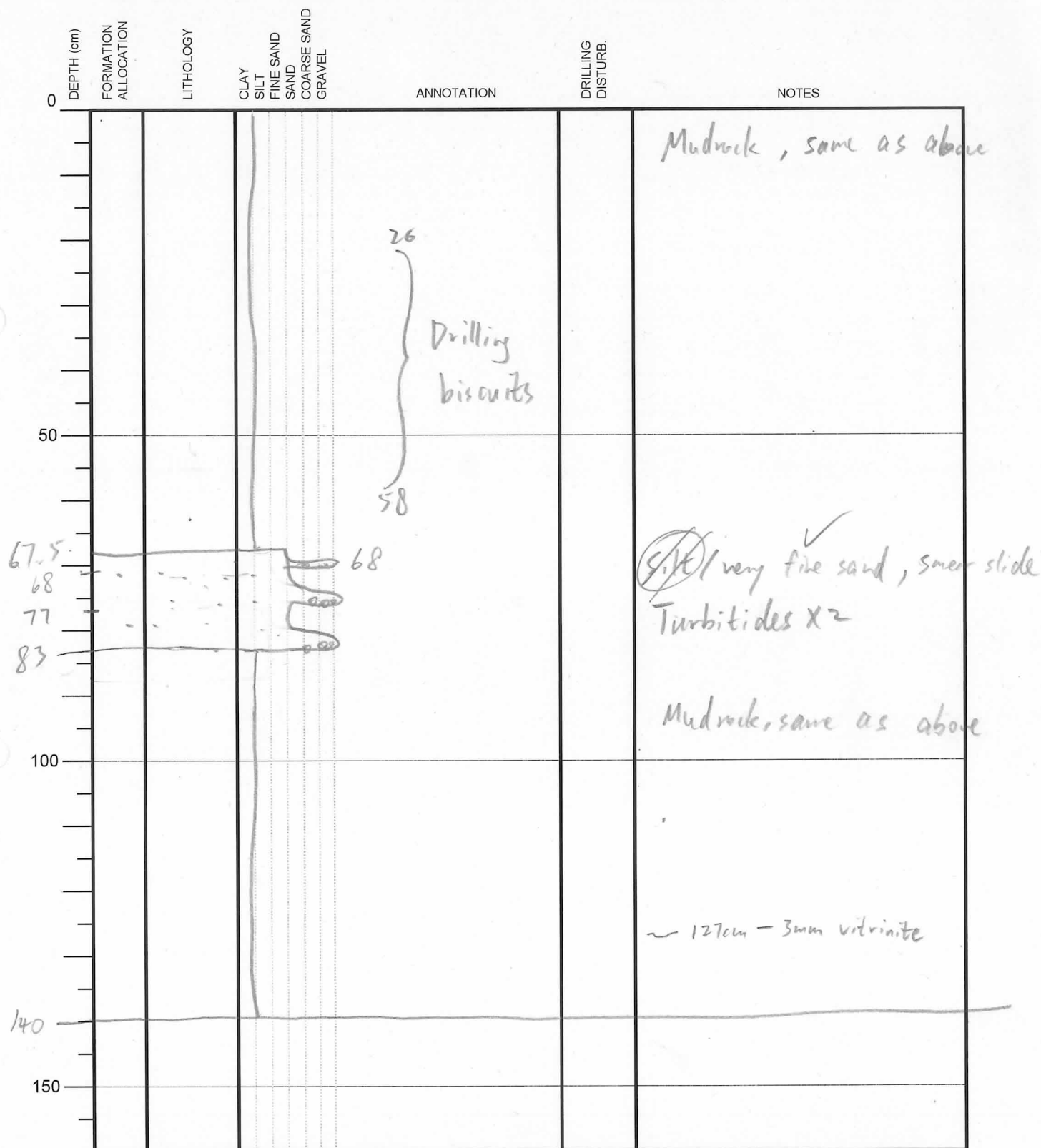
TOP DEPTH (m CSF):

OBSERVER:

Man-Yin

ENTERED INTO J-CORES (DATE): 1/1/2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE:

SECTION:

TOP DEPTH (m CSF):

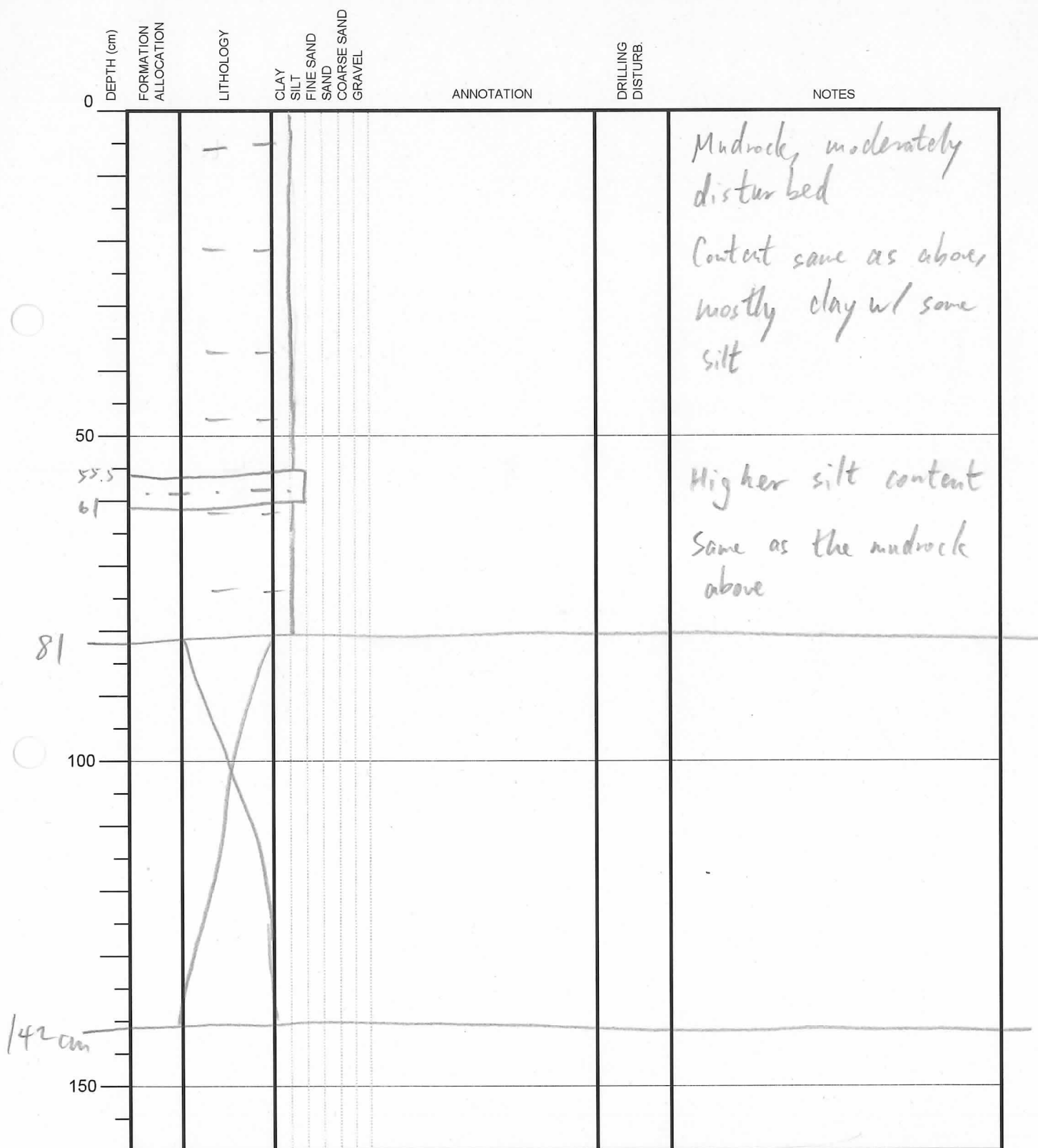
OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

A

Man-Yin



International Ocean Discovery Program Visual Core Description

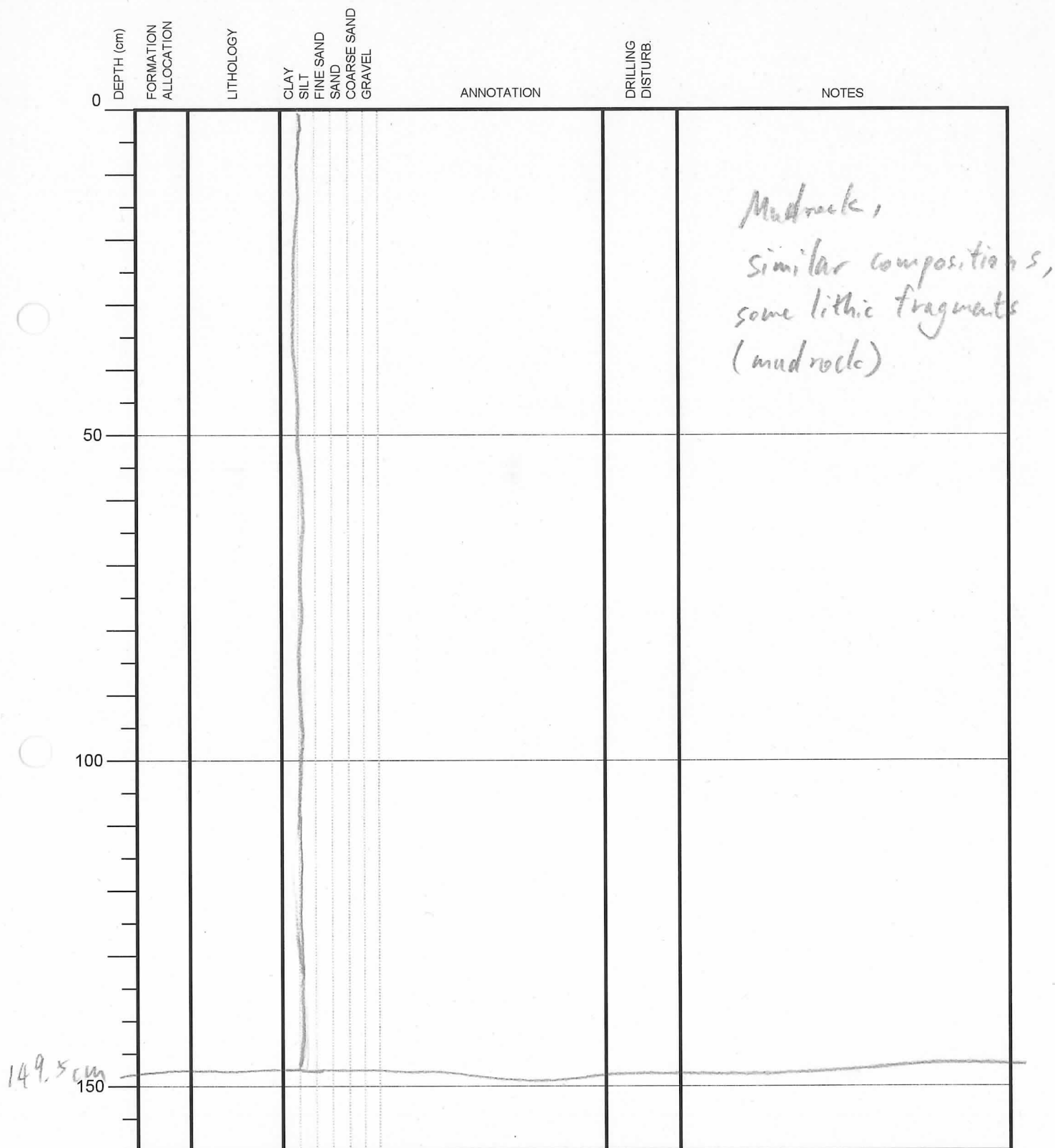
NO.

DATE: 239 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

A

CORE: 7X
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: Man Yin
ENTERED INTO J-CORES (DATE): 11 / 2016
LOGGED FROM X-CT: YES / NO



0-124 cm white dots < 1mm Calcite?
No it's plastic core liner

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 23/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 7X

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: Man-Yin

ENTERED INTO J-CORES (DATE): 1/ / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
8						Heavily disturbed by drilling Mudrock
25 cm						
50						
100						
150						

1A

International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/9/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 8F

SECTION: 1+CC

TOP DEPTH (m CSF): 311.500CSF

OBSERVER: SAB ST

ENTERED INTO J-CORES (DATE): 3/9/2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						0-47.
						Drill break mdshe
						No Sed Structures
						Hemipelagic mst.
						with minor
50				logget at	Reccia	CaCO ₃
						erted stru ^{ct} no
						Jcores
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 24 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 10 F
SECTION: 1
TOP DEPTH (m CSF): 350

OBSERVER: Man-Yin
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
2				5 burrows?		Mudrock, brecciated Large mudrock pieces, infilled by small mudrock pieces
50					Brecciated	
71.5						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 24 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 10F
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: Man-Yin
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						1-50 cm Mudrock, large pieces of mudrock, infilled by mud. Half of the muddy infill is gone.
Void						Brecciated
50						Mudrock, fractured but can still see the whole pieces
70.1				white sponge spicule aggregate		
81 cm						
89 cm						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 24 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 10F

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: Man Yin

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
23.5						
50						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 7/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 11F

SECTION: 1

TOP DEPTH (m CSF):

OBSERVER: Man-Yin

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
16						Mudrock w/ zoophytes in mud, horizontal 1.5-3cm 0.8cm wide Zoophytes Clay, igneous content visible
23						Brecciated Mudrock in mud
33						
50						
72						Common white dots (<1mm) should be sponge spicule aggregates
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 24 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

11F
CC

SECTION:

TOP DEPTH (m CSF):

OBSERVER:

Man-Yin

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				4.5cm 2mm lithic fragment	Brecciated	Mudrock Clay
						30.5cm 0.5mm thick patch of very fine sand, similar to that in core 10F-CC
40						Microbiologists show us a 0.6mm white ring → aggregate of sponge spicules, surrounded by clay
51.5						
100						
150						

original

International Ocean Discovery Program Visual Core Description

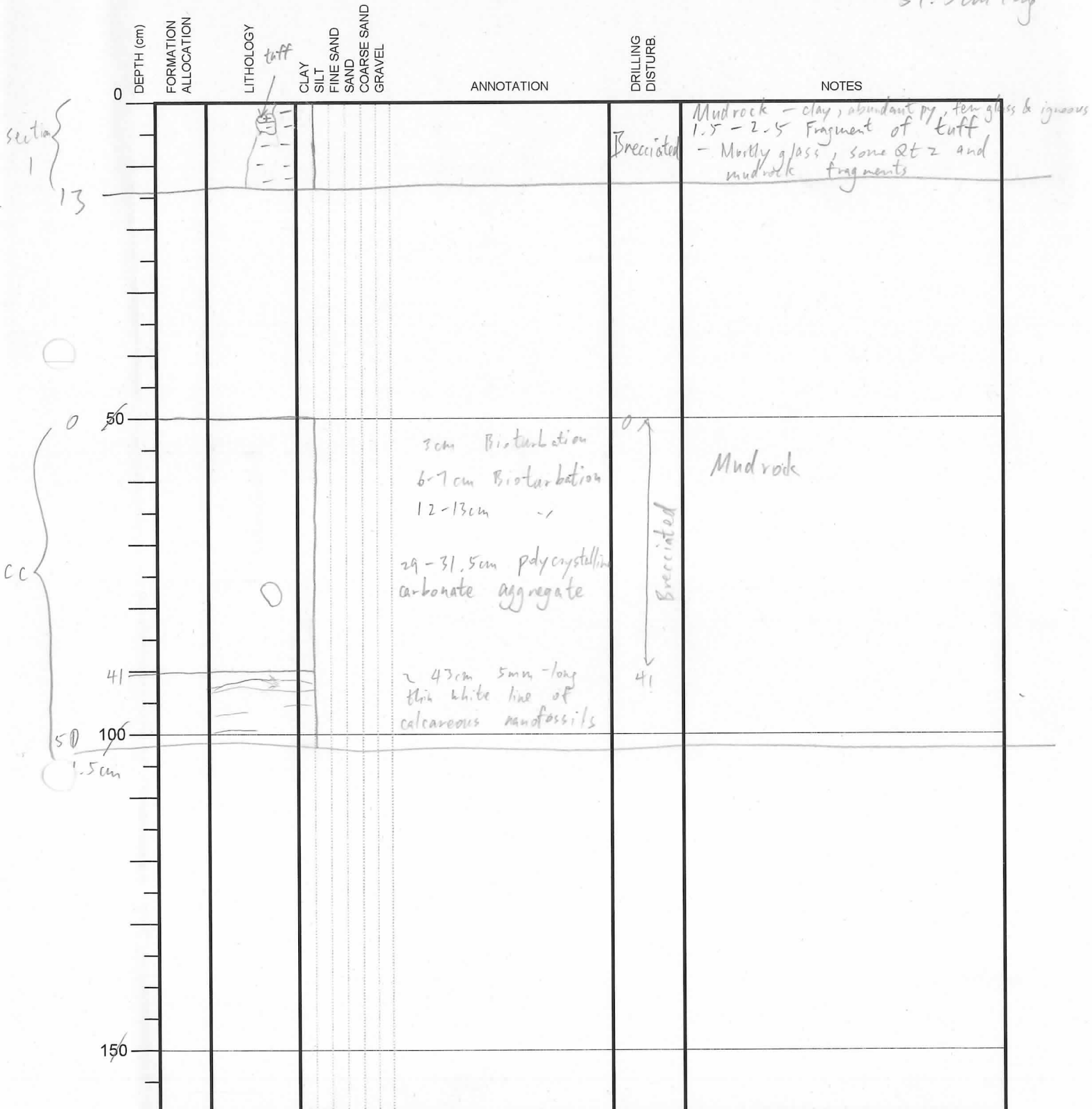
NO.

DATE: 25th / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 15F
SECTION: 1, CC
TOP DEPTH (m CSF):

OBSERVER: Man-Yin
ENTERED INTO J-CORES (DATE): 1 / 2016
LOGGED FROM X-CT: YES / NO

51.5 cm long



Tuff

nanofossil

nanofossil

International Ocean Discovery Program Visual Core Description

NO.

DATE: 27 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 16 R
SECTION:
TOP DEPTH (m CSF):

OBSERVER: Smp
ENTERED INTO J-CORES (DATE): 27 / 9 / 2016
LOGGED FROM X-CT: YES / NO 7202

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				cherty Siltst. Py chert chondrites	X X	mst with bands of pld white silt laminar.
				S/S breccia.		
50				Silt to fine silty mud	X	
				from X-CT		X-CT
100						
150						

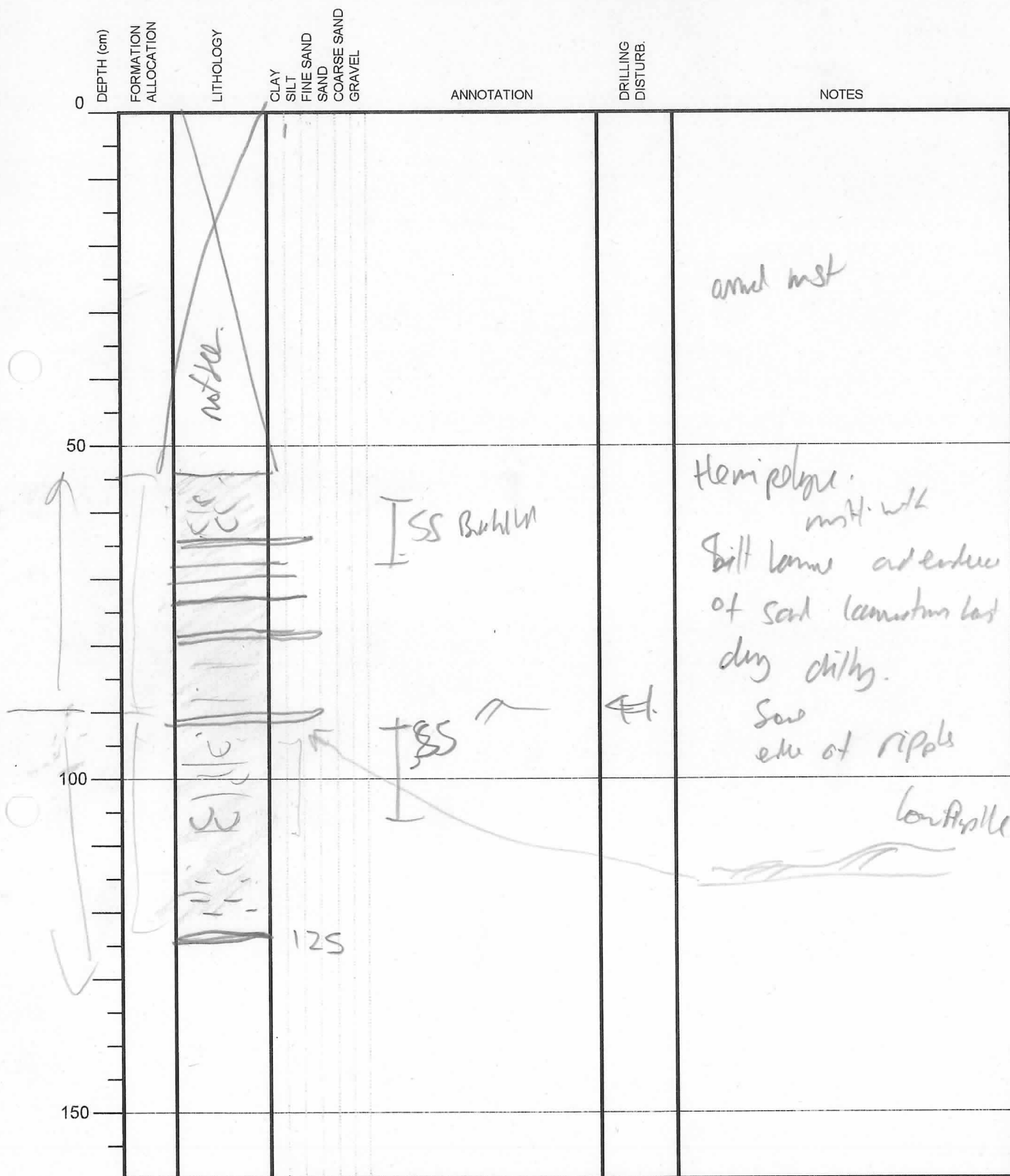
International Ocean Discovery Program Visual Core Description

NO.

DATE: 27 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 18R-4
SECTION: 4
TOP DEPTH (m CSF): 41.4

OBSERVER: SAB
ENTERED INTO J-CORES (DATE) 27 / 9 / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 279 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 16

SECTION: S163

TOP DEPTH (m CSF):

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 29 / 9 / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Fast Beddy core		Black mud with long. bedded Siltstone and sand laminations are often disrupted by drilby
				drilby in mm mm		
50						
				mm sand drilby in Lithology		
100						
150						

Kura Saka

2012
0-6
0-6
dri
inf + C

International Ocean Discovery Program Visual Core Description

NO.

DATE: 21 / 1 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 16

SECTION: 6

TOP DEPTH (m CSF): 416

OBSERVER: SAP

ENTERED INTO J-CORES (DATE): 21 / 1 / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
10				\$S Buhld	10	tidal/mo
20				displacement	32	
30				ml 16g		
40						
50				S Shhth		
60				Sff low	70	
70						
80						
90						
100						
110						
120						
130						
140						
150						

International Ocean Discovery Program Visual Core Description

NO. *CC*

DATE: *28/9* / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ *A*

CORE: *16R*
SECTION: *7*
TOP DEPTH (m CSF):

OBSERVER: *Man-Yin + SAR*
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

401
Sulf
at
16-cc
15
2cm

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				<i>Chert</i> <i>Shell</i>		<i>Hemiphrase mud rock</i> <i>with Qz 1mm</i> <i>Silt-sized cherts</i>
50				<i>Reddish brown</i> <i>chert</i>		
100				<i>Chert</i>		
122				<i>129 white concretions</i> <i>(1.5 mm),</i> <i>doesn't freeze w/HCl</i>		<i>Mudrock</i>
147.5						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 17R

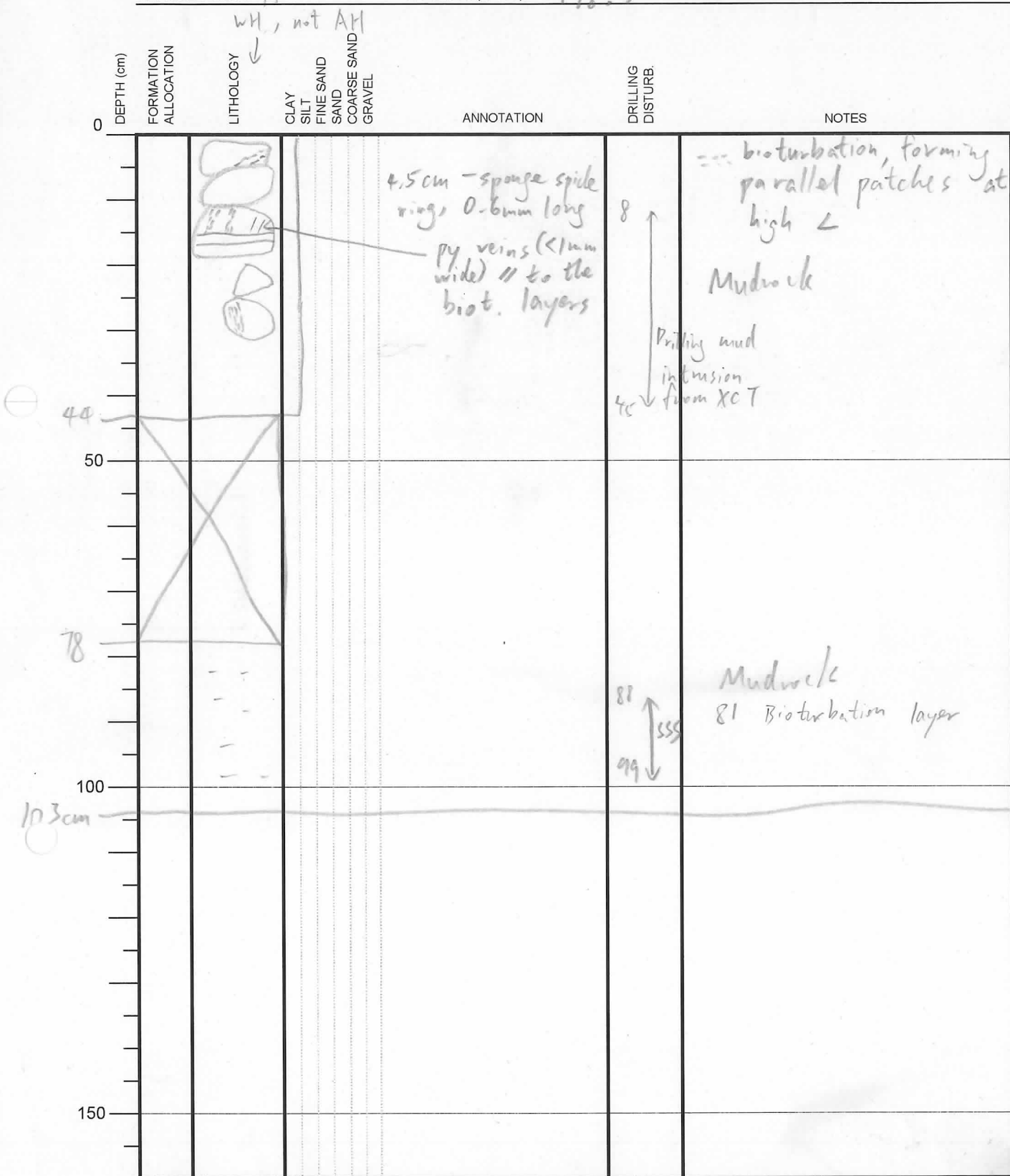
SECTION: 1

TOP DEPTH (m CSF): 418.5

OBSERVER: Man-Yin

ENTERED INTO J-CORES (DATE): 1/ / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 28 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 17R

SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
25				29 burrow layer 30 burrow layer 32 burrows, horizontal 35 1 bigger burrow 36 burrows (0.8x0.4 cm) 42 1 py 1mm x 6mm Scattered burrows		Mud rock 31-32 silt layer w/ heavy bioturbation 32-33 Mud layer w/ moderate
50						
51		Breccia			SSS	64-67 silt
64						
67						
80						
		Breccia		Bioturbated 76-76.5 silt layer, heavily bioturbated	SSS	Mud rock 71-72 1cm x 2cm burrow filled w/ 74-76 More filled burrows - filled w/ calcareous polycrystalline aggregates, dominant nanofossils
100						
103						
108						
112						
123.5cm		Breccia			SSS	silt? Yes Mudrock 109.5 1.5cm filled burrow, horizontal filled with
150						

> silt

International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 17
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): 4 / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT	FINE SAND SAND	COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0								
13		Breccia						
18.5								Mudrock
33		Breccia						
44								Mudrock Silt
50		Breccia						
60								Mudrock
82						75.5 - white dot, of sponge spicule, calcareous nanofossils, litholasts 82A layer of burrows		
97.5-99						Black pyrite nodules		
100								
102cm								
150								

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 29 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 18
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE) 29 / 9 / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						white mudstone with big Btbb
100						little Pott
150						

NO.

OBSERVER: MY + SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/4/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 18R

SECTION: 4

TOP DEPTH (m CSF): 431

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 26/9/2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				6 \$ P. 23 cm grey \$ \$ \$		Black ash. of Silt
50				caco ₃ in band \$ \$ \$ caco ₃		
				82 charcoal \$ \$ \$		Volcanic ash Sandy Ash.
100				107		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 18

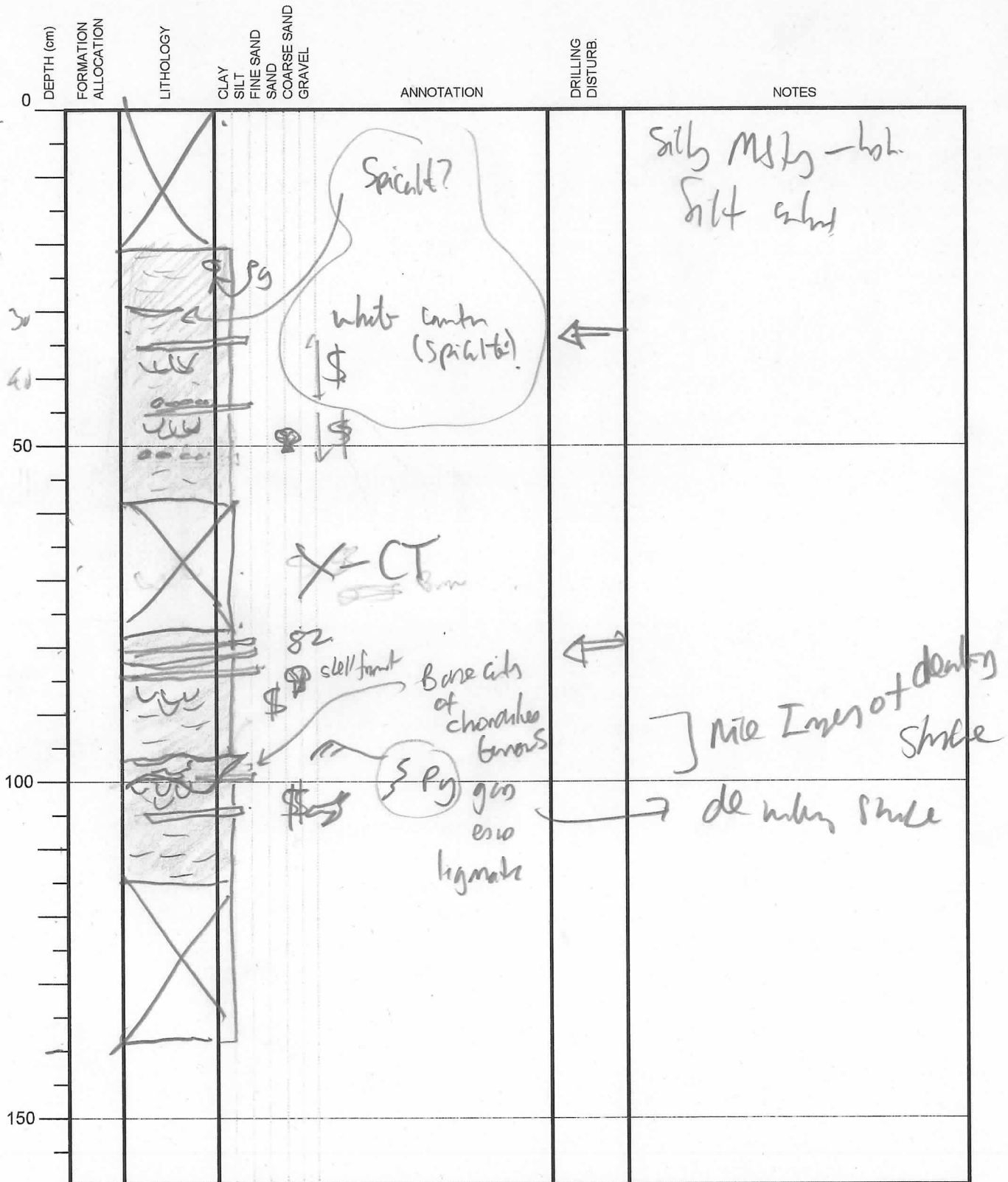
SECTION: 5

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

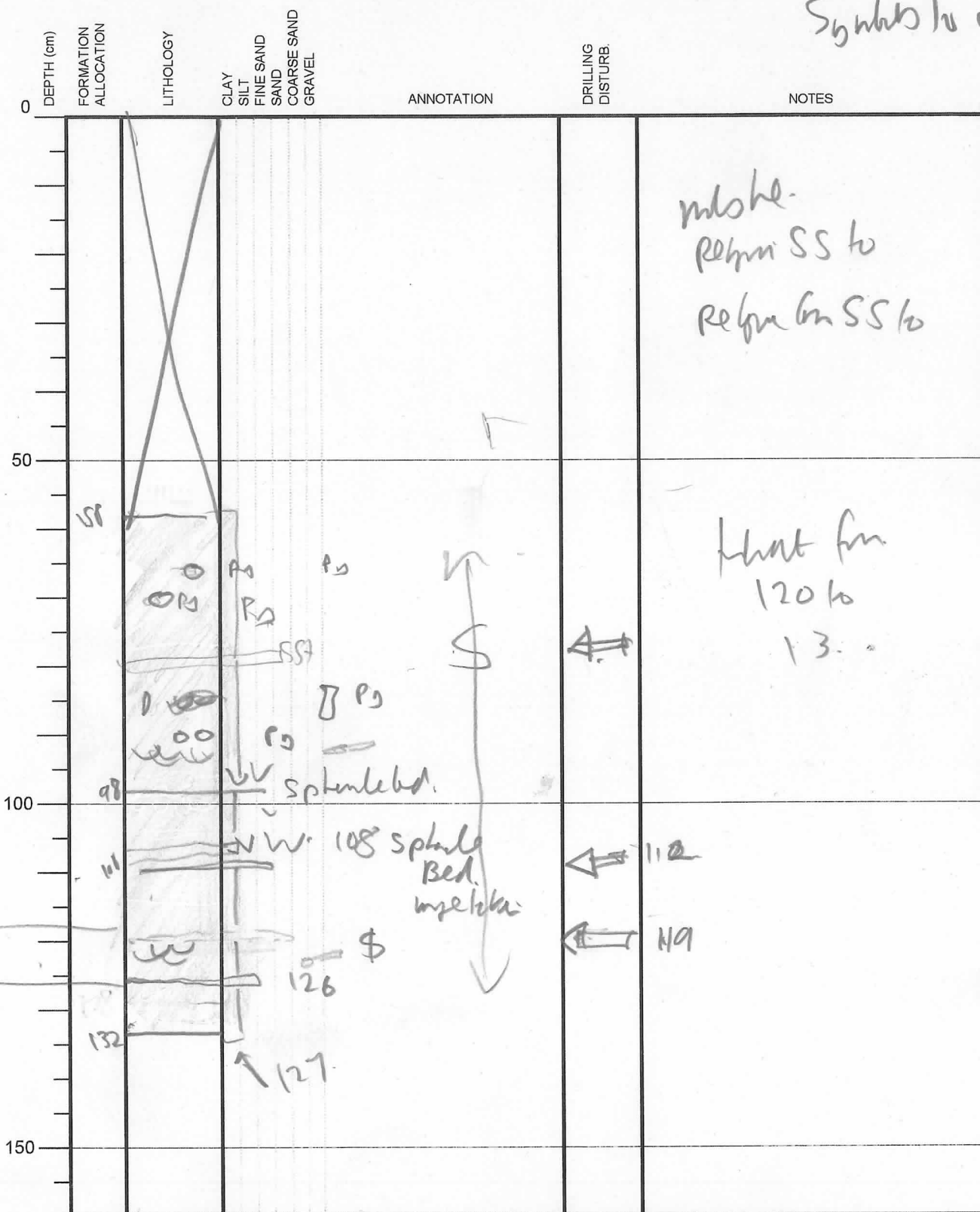
LOGGED FROM X-CT: YES / NO



NO.

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

Symbols in charge



no log for 7

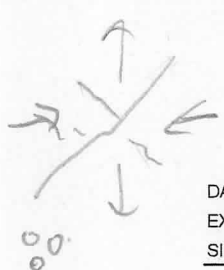
International Ocean Discovery Program Visual Core Description

NO.

DATE: 28 / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 18
SECTION: 4
TOP DEPTH (m CSF): A35

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 28 / 2016
LOGGED FROM X-CT: YES / NO



0000



DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
0-50		Pyro nodules		Pyro nodules	X	Pyro nodules - hth
50-100		Pyro nodules		Pyro nodules	X	Pyro nodules
100-150						
150-200						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/7 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 18 R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

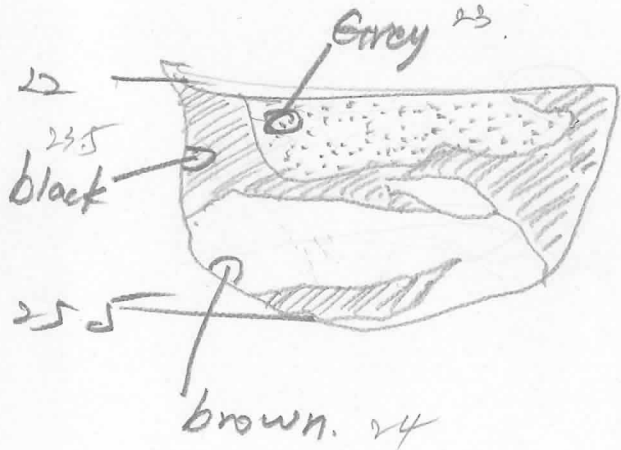
DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
22.5						
25.5						
30cm						
50						
100						
150						

22.5 - 25.5



WH

see Kiko's pic



18R-CL 22-25.5
W

Grey = polycrystalline carbonate rich.
With some Volcanic glass.

Brown = Ash layer.
Volcanic glass rich.

black = polycrystalline calcite
with moderate Volcanic glass

Difference of amount of Lithic fragments.

CHRY-100-1	100-100-100	100-100
CHRY-100-2	100-100-100	100-100
CHRY-100-3	100-100-100	100-100
CHRY-100-4	100-100-100	100-100
CHRY-100-5	100-100-100	100-100
CHRY-100-6	100-100-100	100-100
CHRY-100-7	100-100-100	100-100
CHRY-100-8	100-100-100	100-100
CHRY-100-9	100-100-100	100-100
CHRY-100-10	100-100-100	100-100

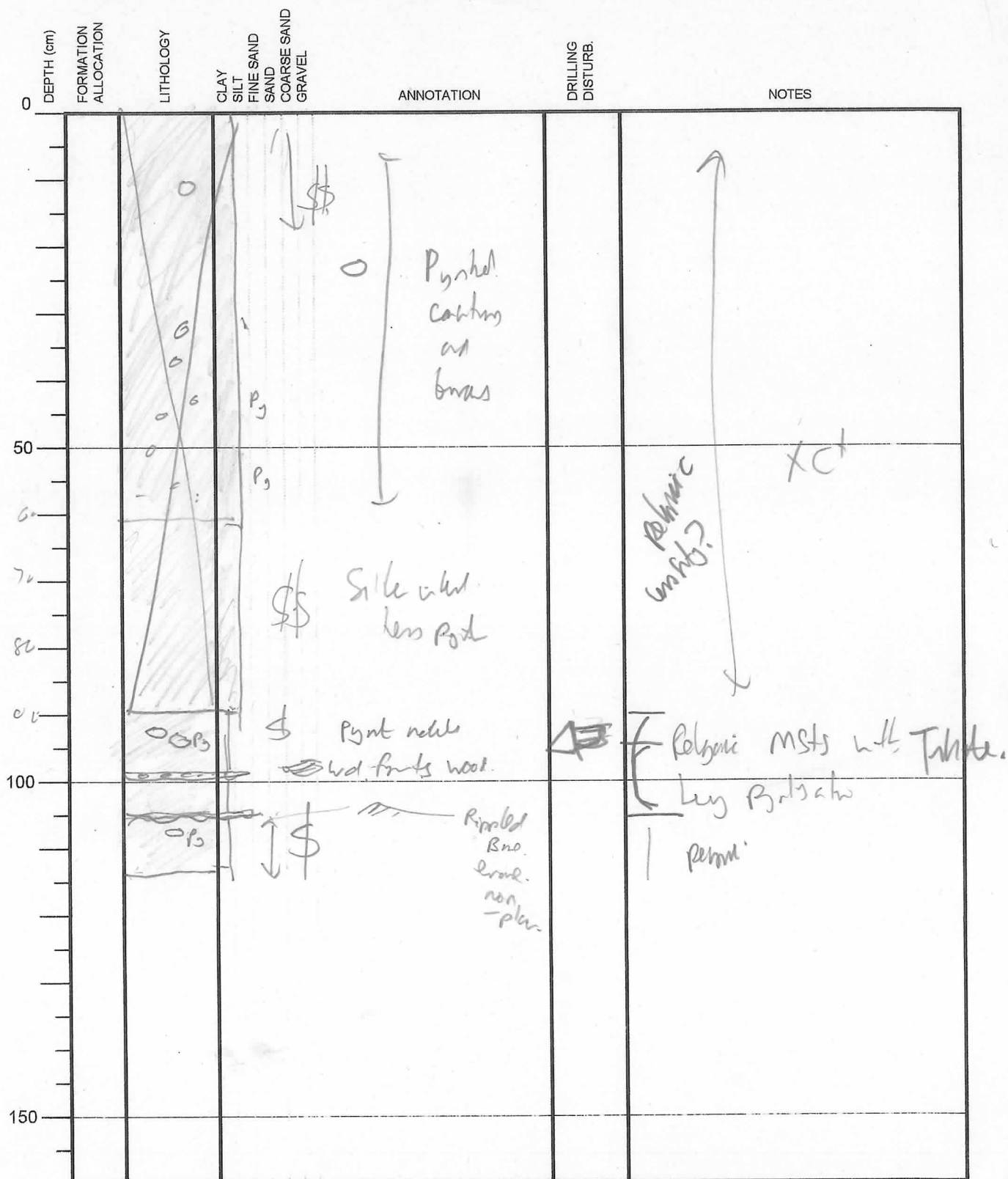
International Ocean Discovery Program Visual Core Description

NO.

DATE: 29 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 19R.
SECTION: 1.
TOP DEPTH (m CSF):

OBSERVER: Steple
ENTERED INTO J-CORES (DATE): 29 / 9 / 2016
LOGGED FROM X-CT: YES / NO



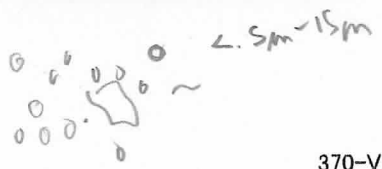
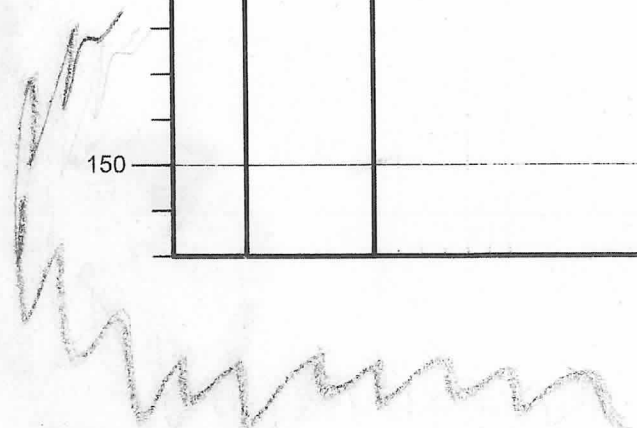
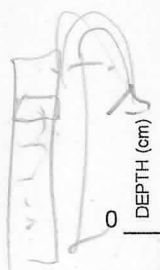
International Ocean Discovery Program Visual Core Description

NO

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 19R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				XCT		what he see as at Core 19R-1 mal Sols
100						
150						

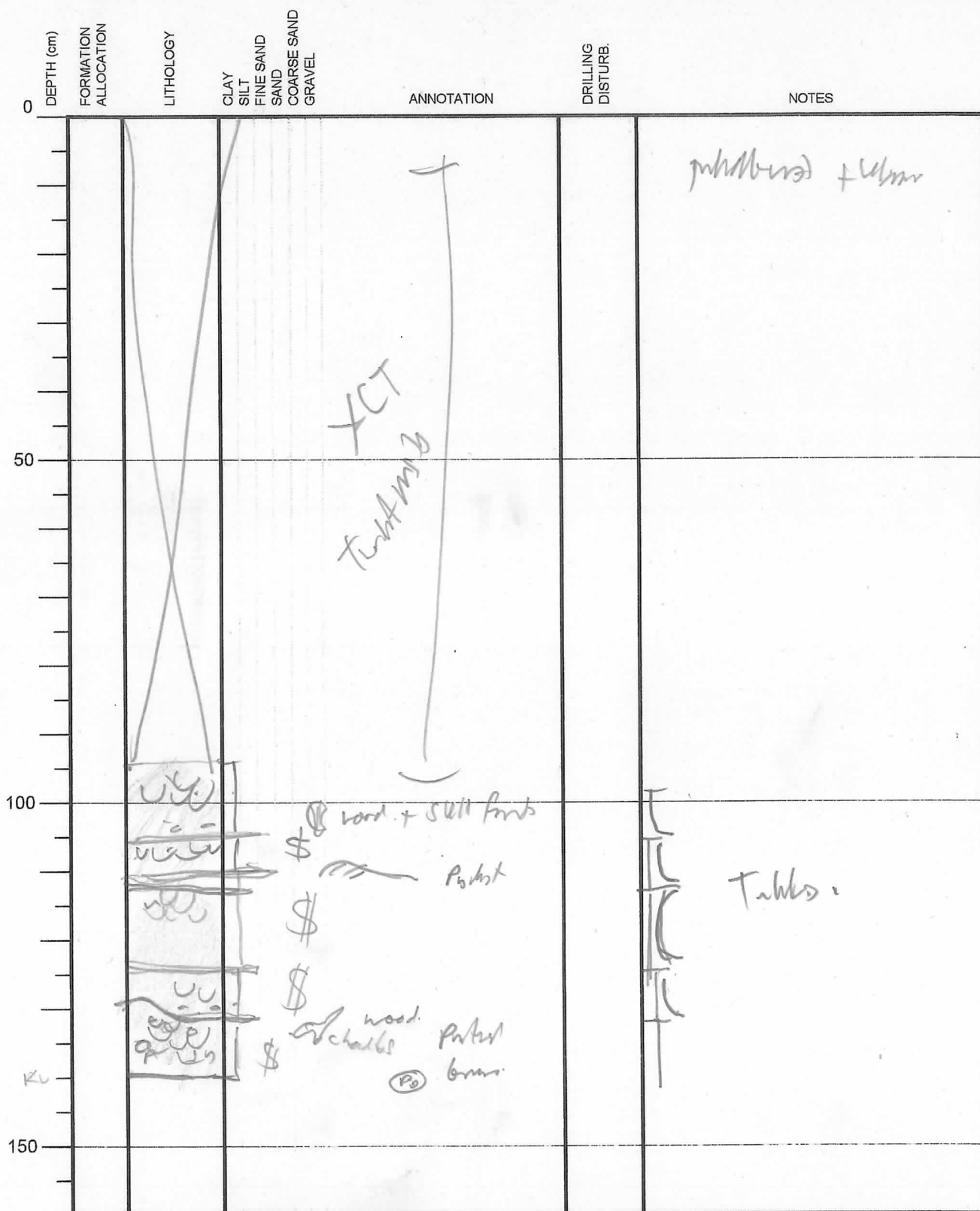
International Ocean Discovery Program Visual Core Description

NO.

DATE: 20/9/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: ~~18R~~ 19R
SECTION: 3
TOP DEPTH (m CSF): 439.5

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 20/9/2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 19
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: NANA
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				lamination \$ # ← drilling sand?	←	mudstone ← sand layer silty mud ← sandy shape Fobri
100				\$ lamination lamination lamination by black silty sand \$ black dots		silty mud sand layer mudstone with borrow sand layer mudstone silty mudstone with borrow
104				lamination		sand layer
150						

NO.

OBSERVER: **SAB** **299**
 ENTERED INTO J-CORES (DATE): / / 2016
 LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO

DATE: 7/1/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 19R.
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): 7/1/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT	FINE SAND SAND	COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0								
10		X						
20		oooo				ry		mid she Sea core
30		oooo				ry? \$ \$		less mud at
40		oooo				ry? \$ \$		shell fossils
50		oooo				ry? \$ \$ Blm		In core Primat
60		oooo						
70		oooo						
80		oooo						
90		oooo						
100		oooo						
110		oooo						
120		oooo						
130		oooo						
140		oooo						
150		oooo						

International Ocean Discovery Program Visual Core Description

NO.



DATE: 18 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 18192.
SECTION: 37
TOP DEPTH (m CSF): 431

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 28 / 9 / 2016
LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Handwritten notes in this section include: CaCO_3, P_3, CaCO_3 Lk, CaCO_3 in bms, and CaCO_3 in bms. There are also several dollar signs (\$) and arrows indicating depth or position.		Handwritten notes in this section include: "Pelagic mst" and a large "I" symbol.
100				Handwritten notes in this section include: "Drill Breccia of mst" and "Breccia". There are also several "X" marks in the drilling disturbance column.		Handwritten notes in this section include: "repal mts?" and a large "I" symbol.
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/1 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 18R
SECTION: CC.
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 7/9 / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				Py Broken. ~ -		Drill beam of lithology seen 18R.
50						
100						
150						

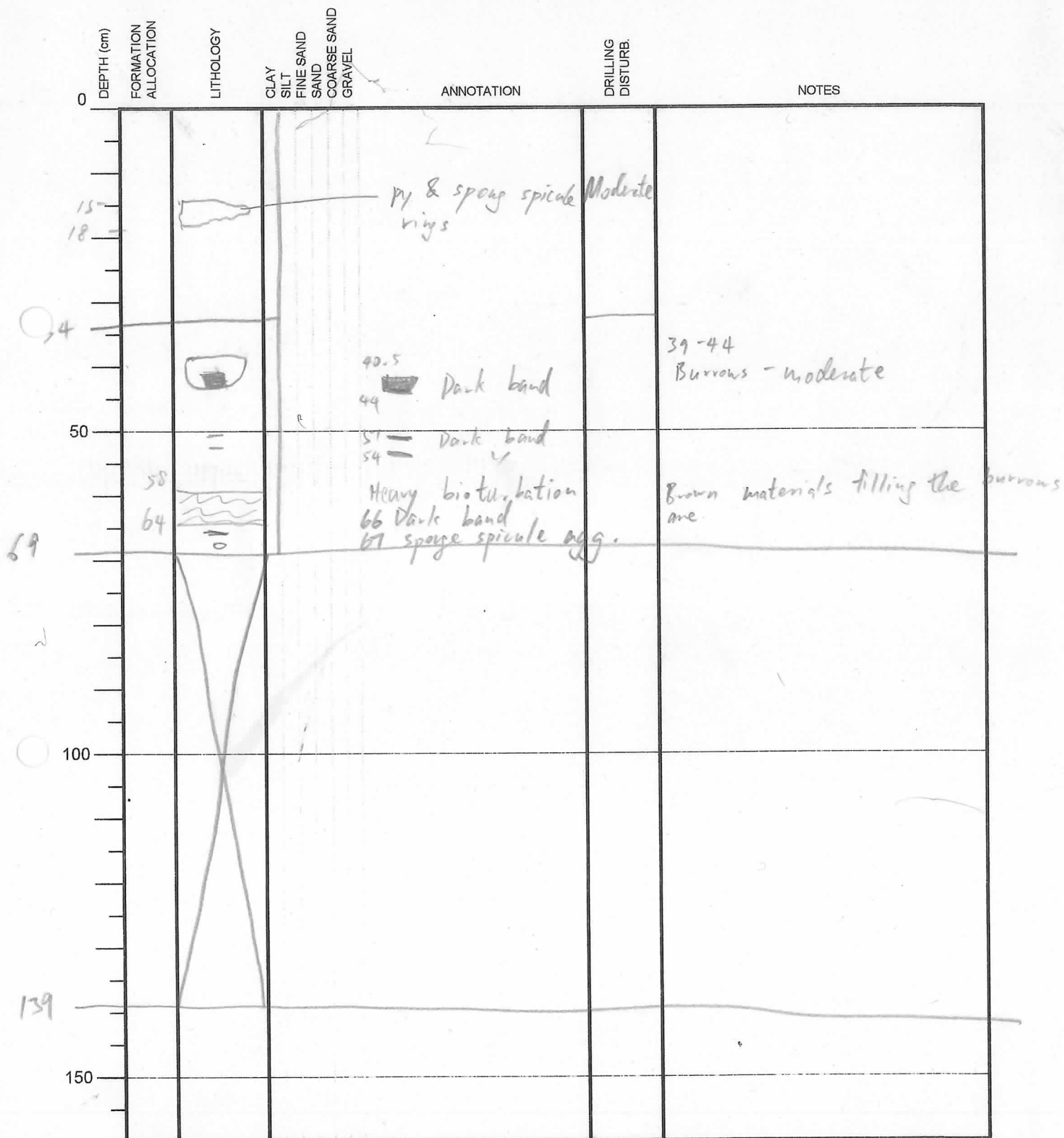
International Ocean Discovery Program Visual Core Description

NO.

DATE: 29 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 20 R
SECTION: 1
TOP DEPTH (m CSF): 447

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



After core 15F, rare to see organic matter.

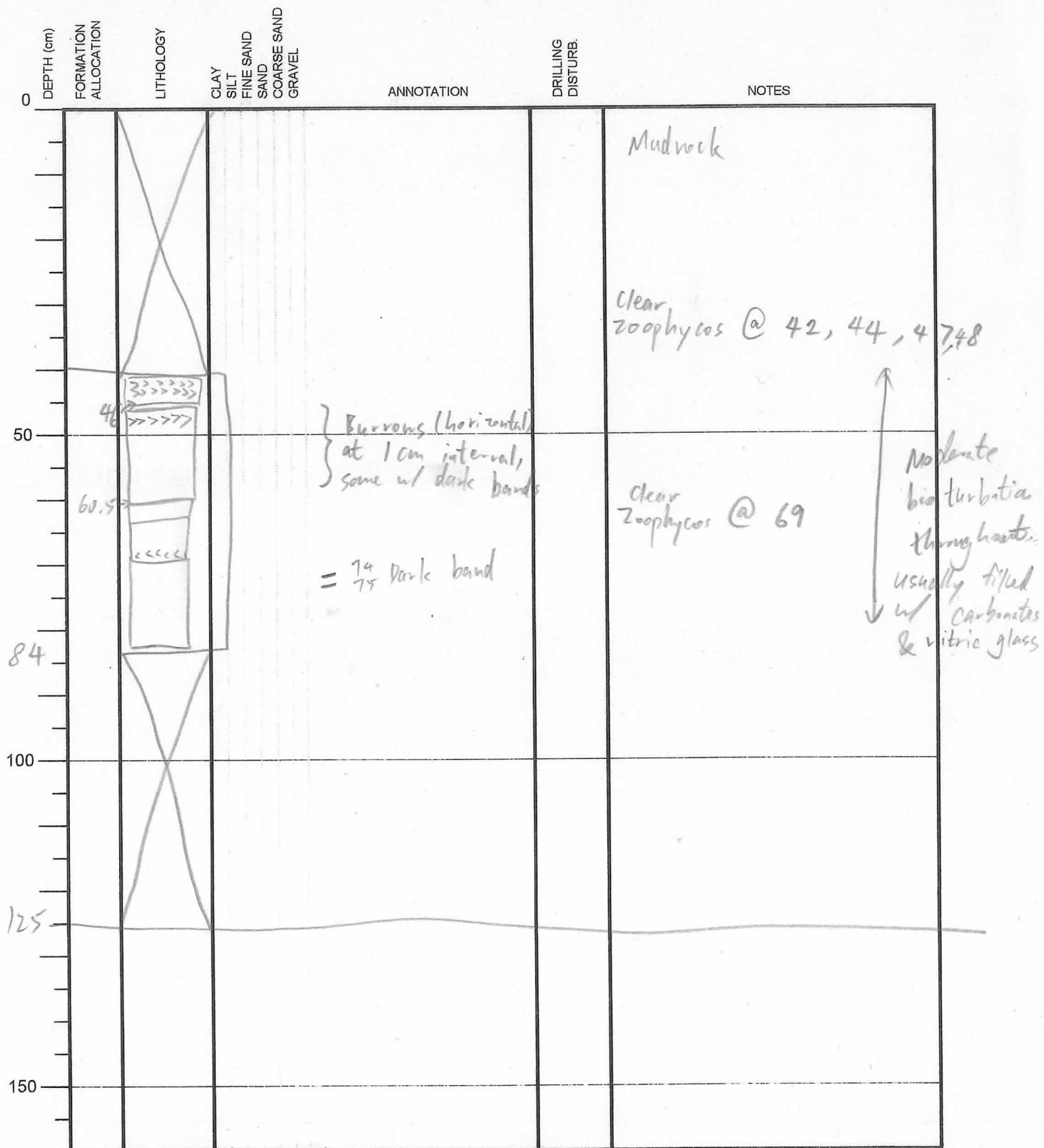
International Ocean Discovery Program Visual Core Description

NO.

DATE: 29 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 20R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

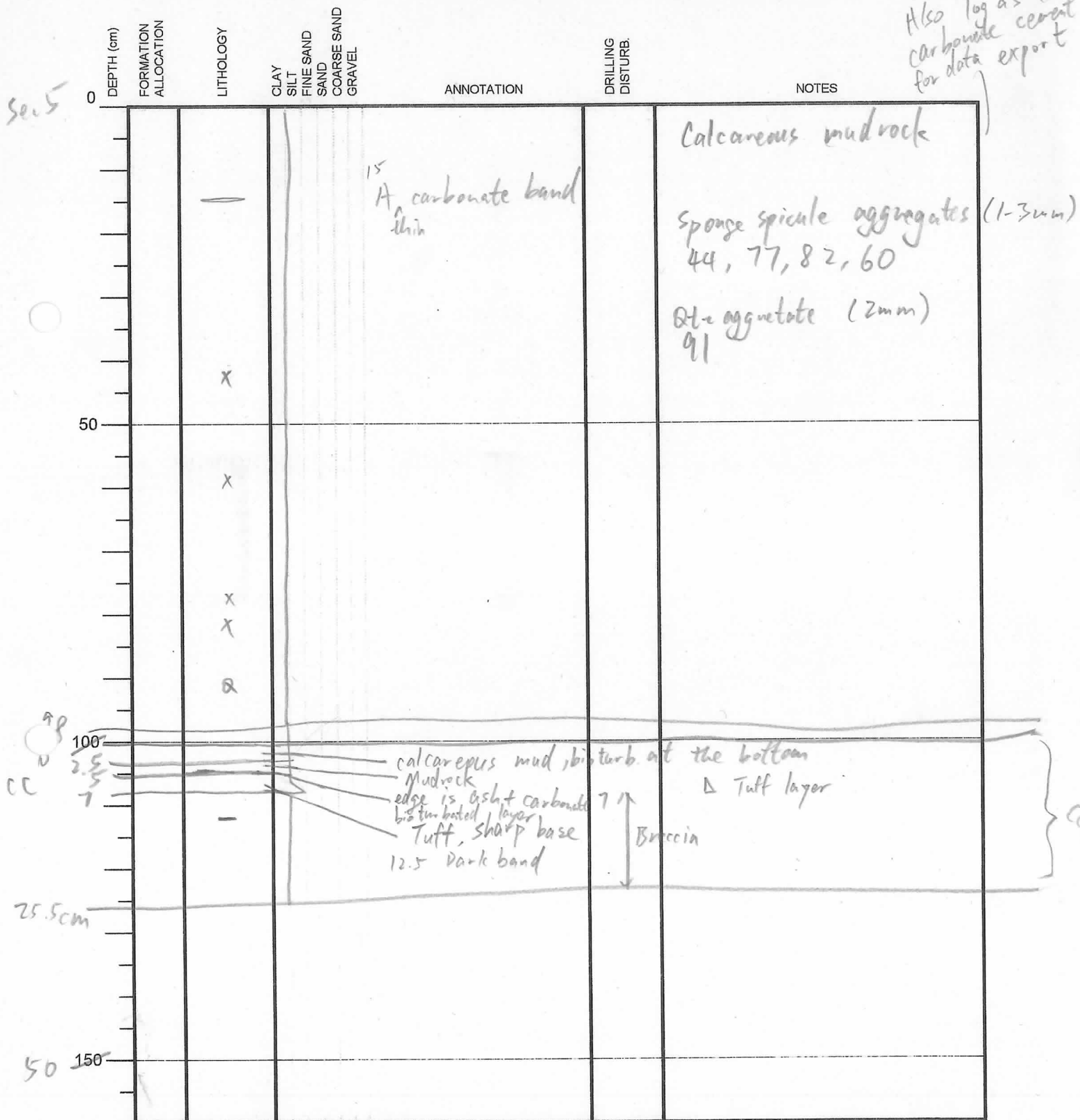
NO.

DATE: 29 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 20R
SECTION: 5 + CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

Also log as est
carbonate cement
for data export



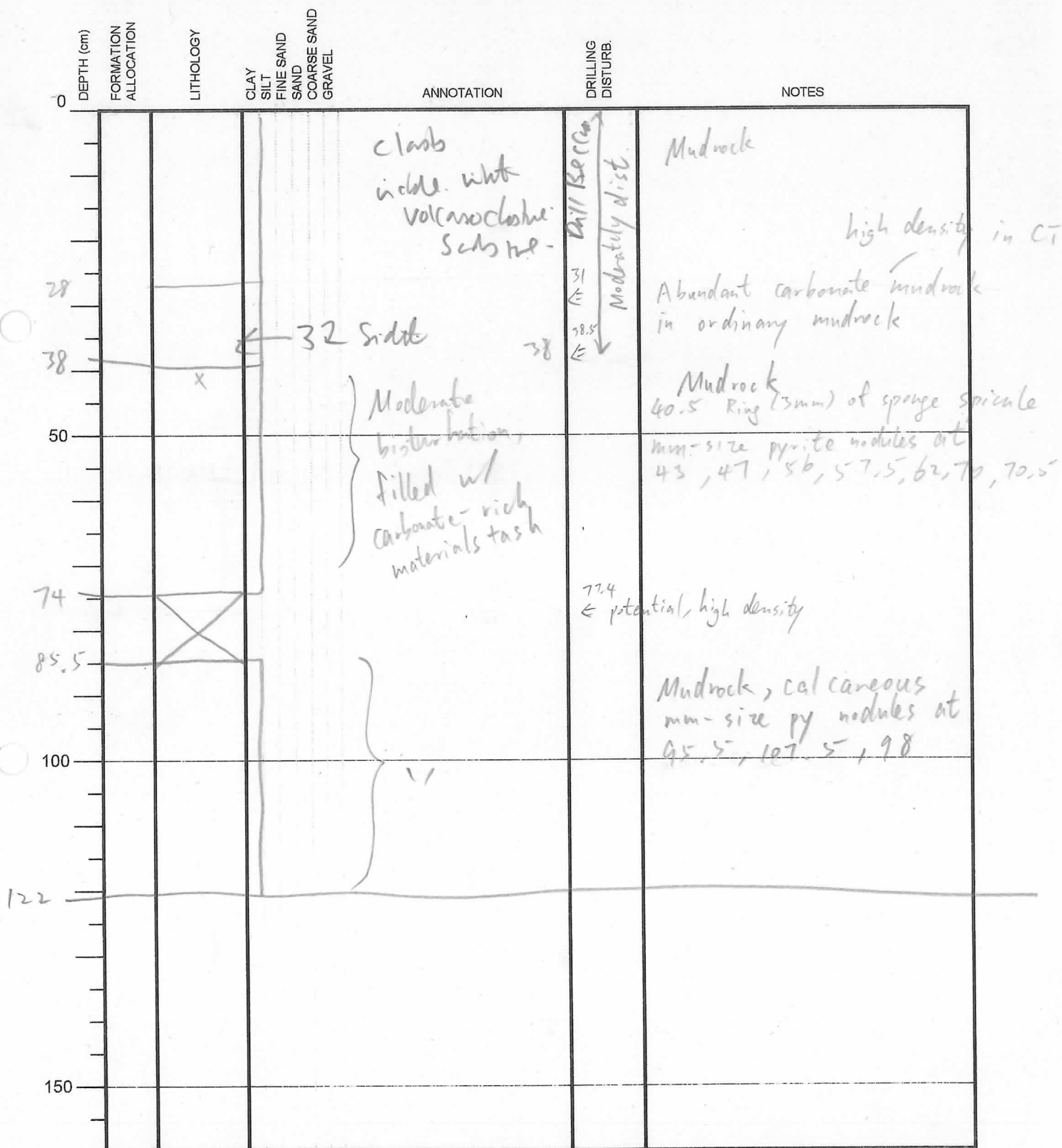
International Ocean Discovery Program Visual Core Description

NO

DATE: 29/9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 21R
SECTION: 1
TOP DEPTH (m CSF):

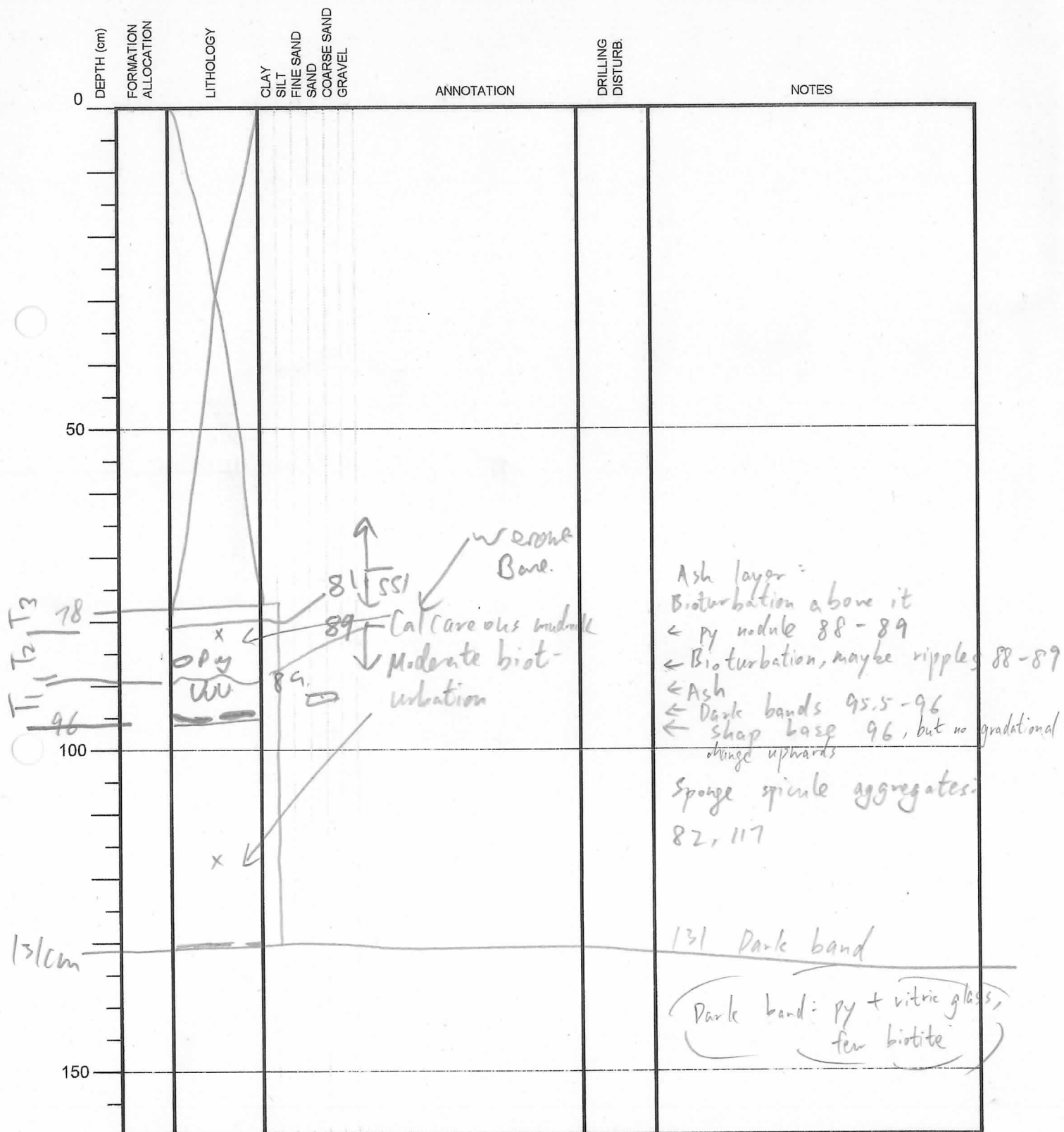
OBSERVER: MY
ENTERED INTO J-CORES (DATE): 1/ / 2016
LOGGED FROM X-CT: YES / NO



calcareous rock also look as
carbonate cement for programming.

NO

OBSERVER: *mt*
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



cal mud: $\log$ carbonate cement

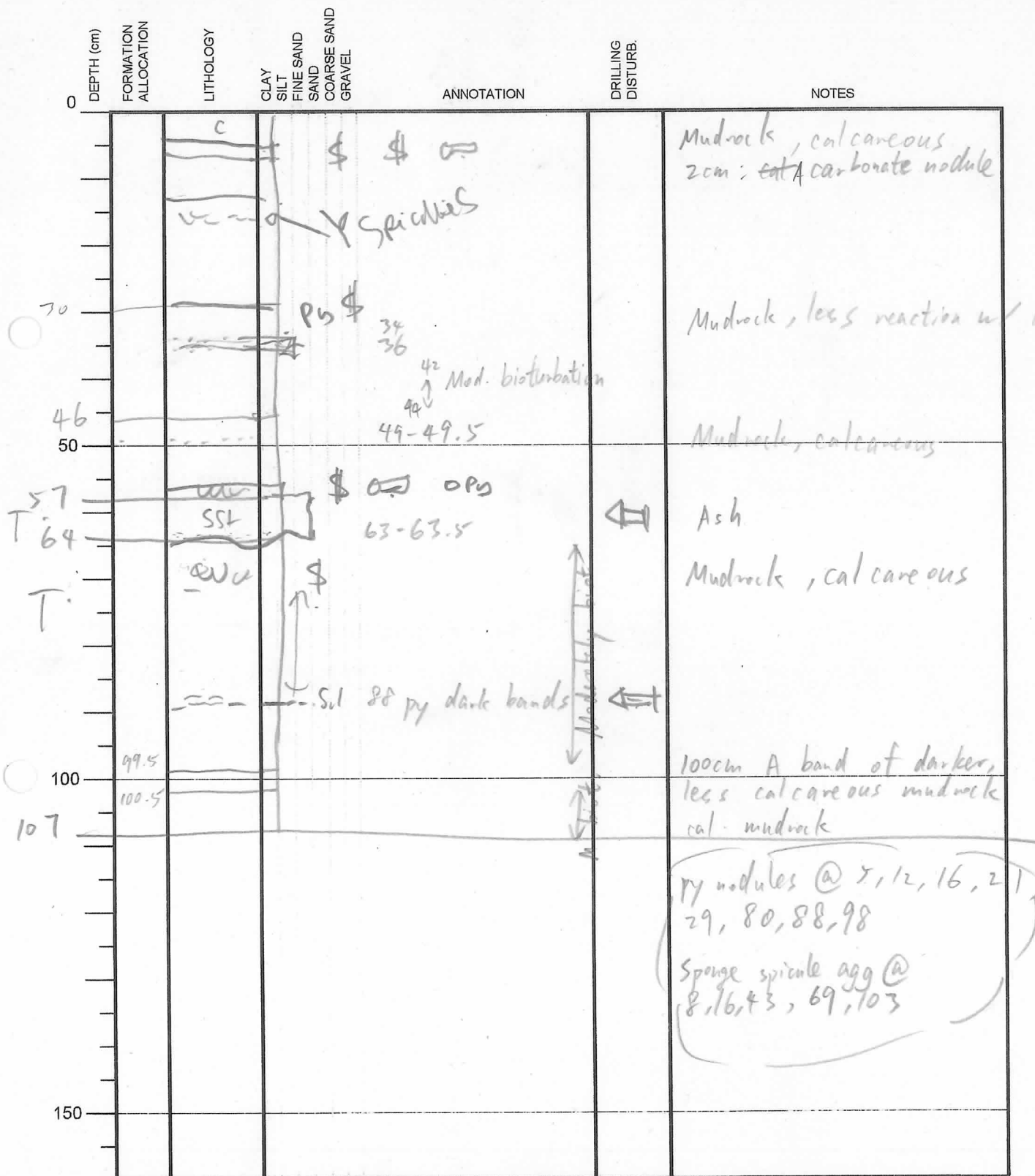
International Ocean Discovery Program Visual Core Description

NO.

DATE: 9/9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 21R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



.... = Dark silty ~~band~~ layer

cal mud lag as carb. cement for programming

International Ocean Discovery Program Visual Core Description

NO.

DATE: 29 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 21R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Cal. mudrock
21 23				The whole sec is moderately bioturbated w/ abundant burrows filled w/ ash & carbonate		- Mudrock, darker Cal. mudrock
49.5 52				Heavy Bioturb Bms, filled with ash & calc.		- Should be mud rock, but heavily bioturbated, more ash + carbonate than mudrock Cal. mudrock
121 124						- Mud rock darker Cal. mudrock
131 133.5						py nodules @ 3.5, 8, 23, 28, 37, 42, 45, 50, 52, 53, 64, 70, 76, 79, 91, 96, 99.5, 110, 113, 127 sponge spicule agg @ 120, 114

Cal. mud log as carb. content for programming.

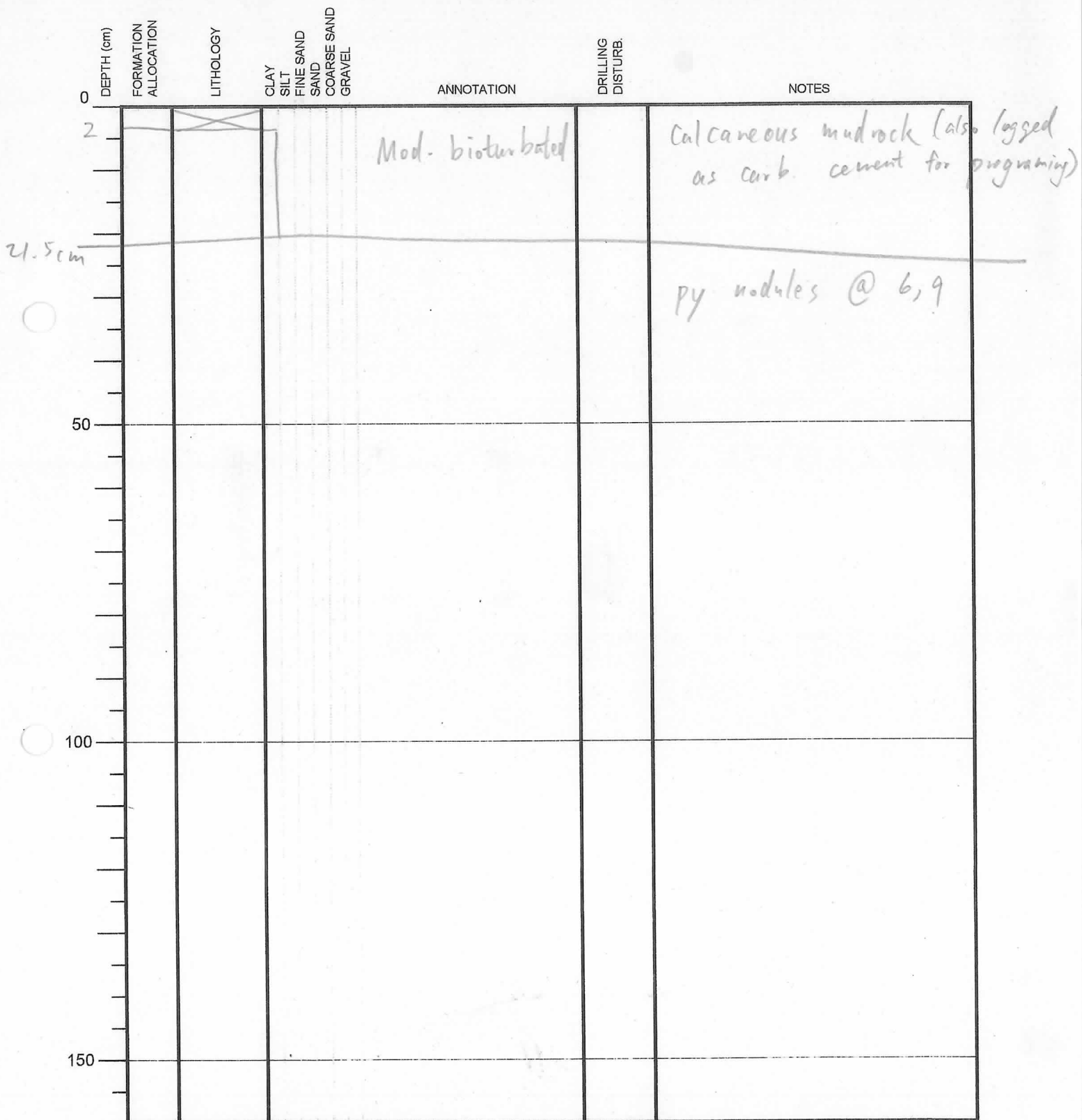
International Ocean Discovery Program Visual Core Description

NO.

DATE: 29, 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: ~~AE~~ ZIR
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

22R

SECTION:

1

TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
27		Breccia			24-25 Heavily dist.	Mudrock
32.5				slightly biot.		
36						
43				Mod. biot.		
51				slight. Biot.		
117 cm						
150						

For programming: Mud turbidite w/ bioturbation

= silt

J core

SS ☐ /

--- silt lamina

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 22R

SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
5				Mod. bioturbation (small dark burrows)		1-54 At Mudrock, vitric glass common. Baked in the barn for a long time so appear white
8						56-195 Mudrock
16				slight biot.		
26						30-30.5 Darker silt
31						37.5-38 Darker silt
45						45.5-46.5 Darker silt
50						
64.5				Heavily bioturbated, burrows filled w/ ash		53
79				Mod. biot → log as slight for programming		
87						Calcareous mudrock with ash vitric glass
100						
117cm						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 22R

SECTION: 3

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
41				Slight. biot.		Mudrock, calcareous
50						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 30 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 22R

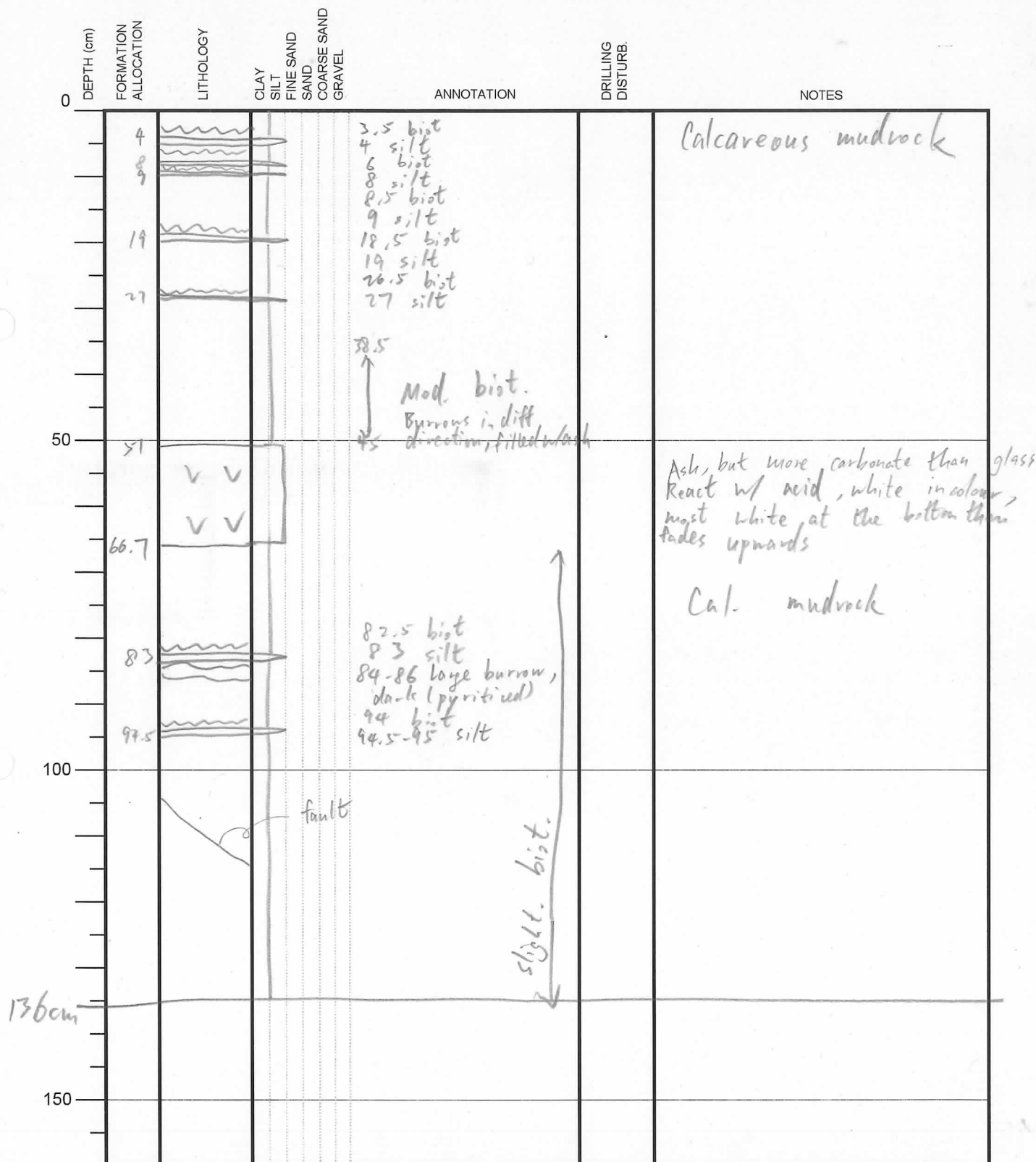
SECTION: 4

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 309 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 22R

SECTION: 5

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Mudrock
34-35				33.5 biot 34-35 silt		✓
54				54 biot 57 silt	right,	✓
50				biot,		✓
100						Calcareous mudrock
101cm						
150						

NO.

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 30 9 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 7 22R

SECTION: 7

TOP DEPTH (m CSF):

OBSERVER: M Y

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
5						cal. mudrock
						slight. biot
				17.5 biot 18 silt		
				42-43 dark(py) band		
				45-47 Mod biot on top		
45						45-47 More ash than mud
47						
50				Mud no cl		
59				coarse pale(paler)		coarser colour, ripple on top
62				Dark mottled silt		↳ Ash, calcareous, similar to the one in sec 4, fine sand size
63				coarse pale(darker) biot		Cal. mudrock
63.5				68 silt		
68				71 biot		76-77 Tuff sand
72				72 silt		
76				84 biot		
77				84.5-85 silt		
				85 biot		
				86 silt		
92.5cm						90 moderate biot
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 22R

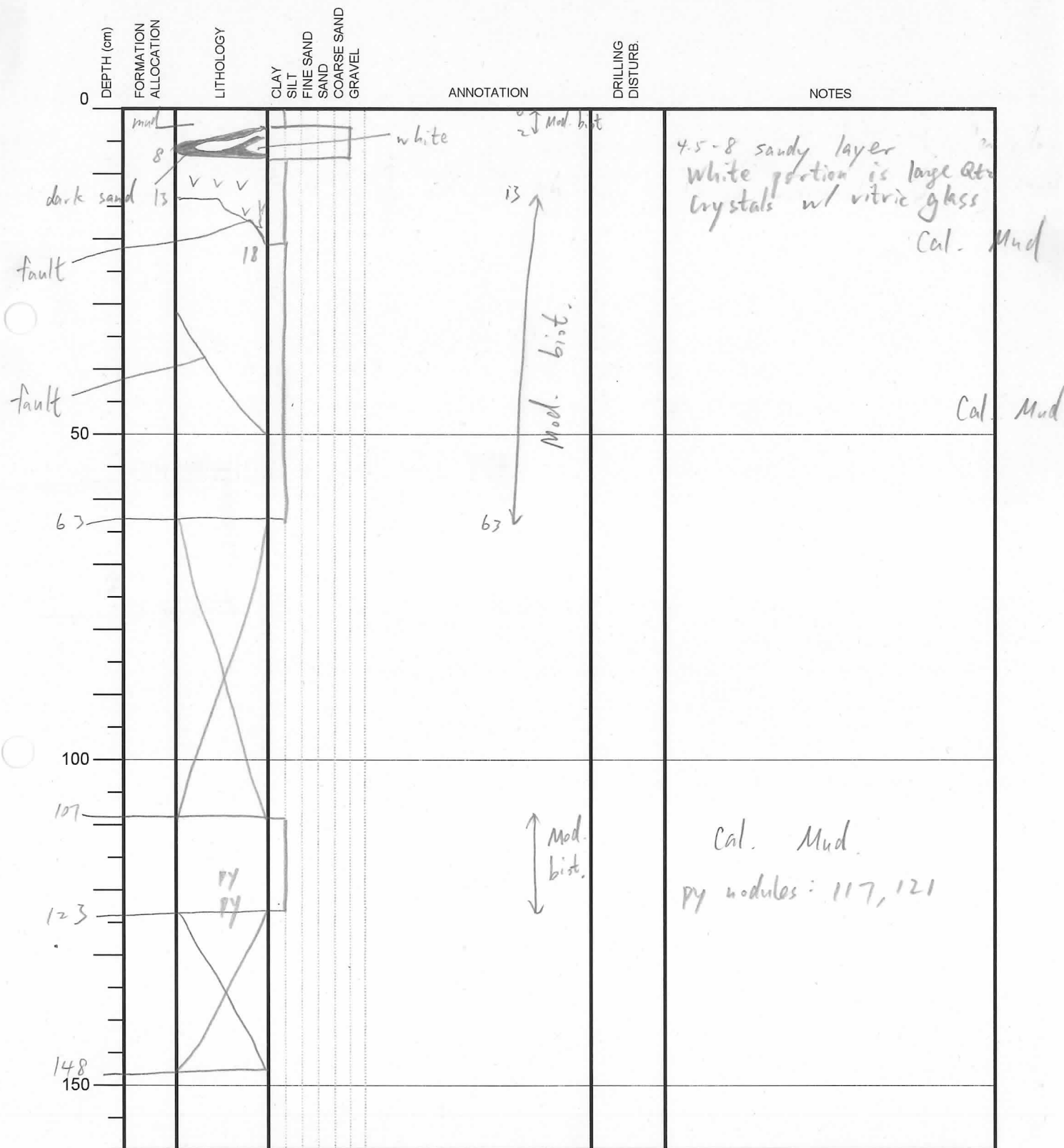
SECTION: 8

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 30/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 22R

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Mud rock, calcareous
18						Brecciated Mudrock
25cm						
50						
100						
150						

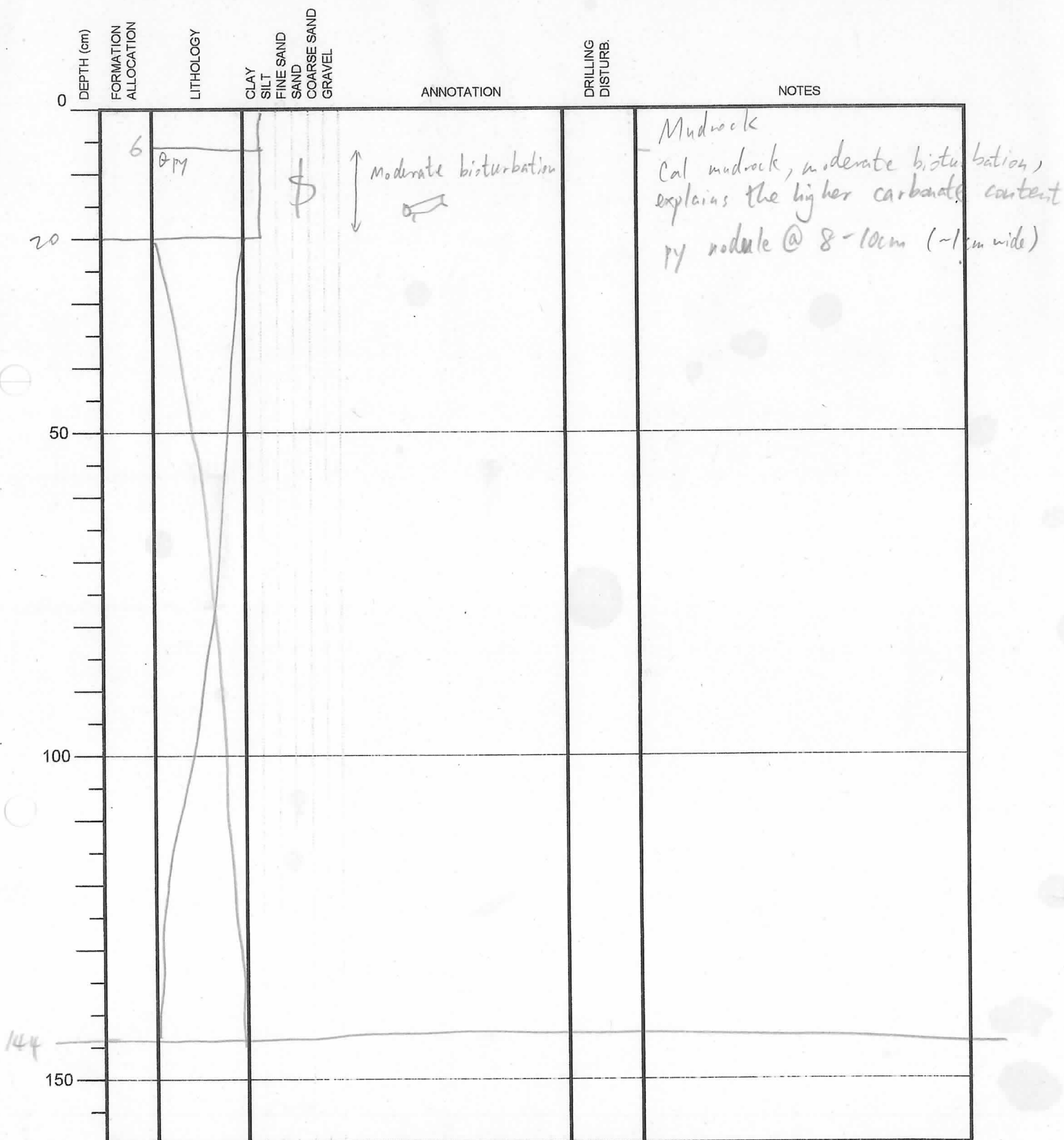
International Ocean Discovery Program Visual Core Description

NO

DATE: 29 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 23R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO

DATE: 29 / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 23R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						0 Ash-rich mud, dominantly w/ tritic gas
5				Moderate bioturb.		5 Ash, top is bioturbated
11.5						11.5-12 Dark green band
16.5						Mudrock w/ a few horizontal burrows, w/ carb & ash
						17.5-18 Dark green band
						Mudrock, moderately biot., but lower carbonate content.
						Burrows are mainly horizontal
						28.5-29 green band
						35-36 "
50						47.5
						48
						62.5-63
67				Ash, sharp base		63.5-64 purple band
70						64-69 Ash-rich mud
						69 Black band (py)
						70 Bottom of the ash layer is a fine sand / silt layer
100						
150						Horizontal burrows @ 13(4cm), 16(3cm), 23(2cm)

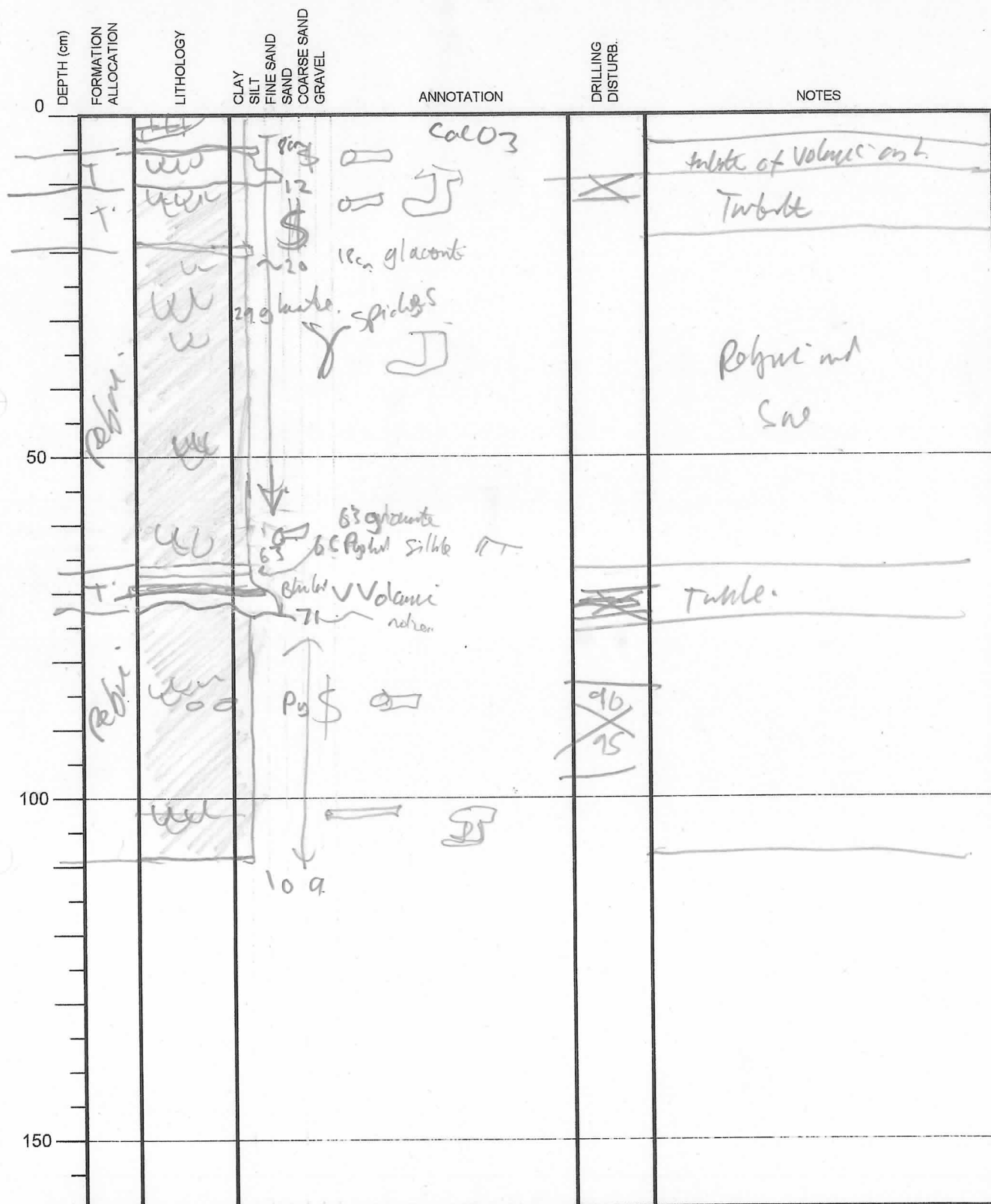
International Ocean Discovery Program Visual Core Description

NO

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 23
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



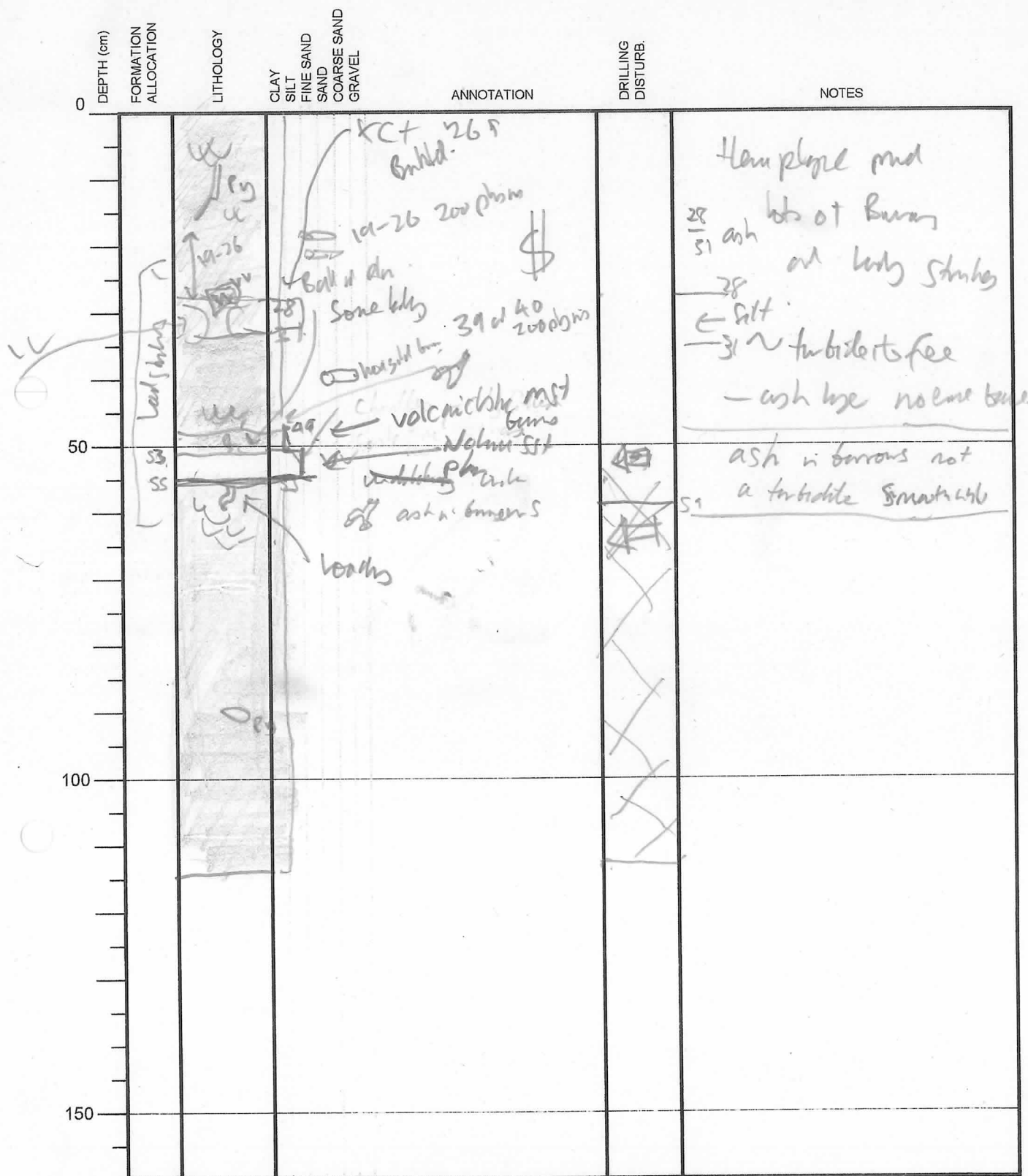
International Ocean Discovery Program Visual Core Description

NO

DATE: 29 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 23
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: 29 9
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 23

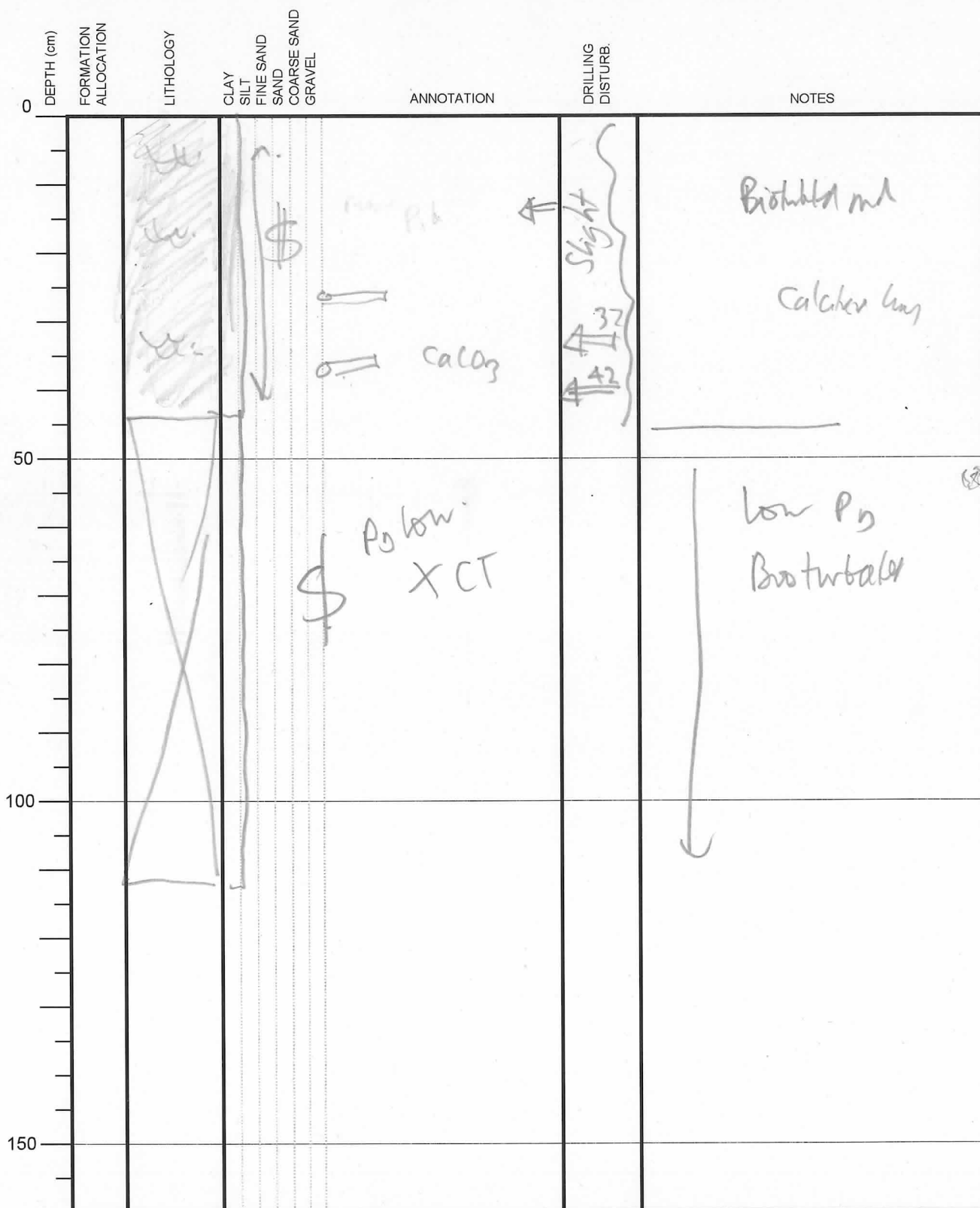
SECTION: 5

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 28 / 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 23
SECTION: SC
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 28 / 9 / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
10				7cm		Handwritten notes
20				clashes.		AsL for until: below
30				V Volume		Handwritten notes
40						
50						
60						
70						
80						
90						
100						
110						
120						
130						
140						
150						

NO.

CORE: 24 R

OBSERVER: *SAB*

SECTION:

ENTERED INTO J-CORES (DATE): 24 / 9 / 2016

TOP DEPTH (m CSF): 484.000

LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/9/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 24R

SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 2016 9/1

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
23						
50						
100						
150						

International Ocean Discovery Program Visual Core Description

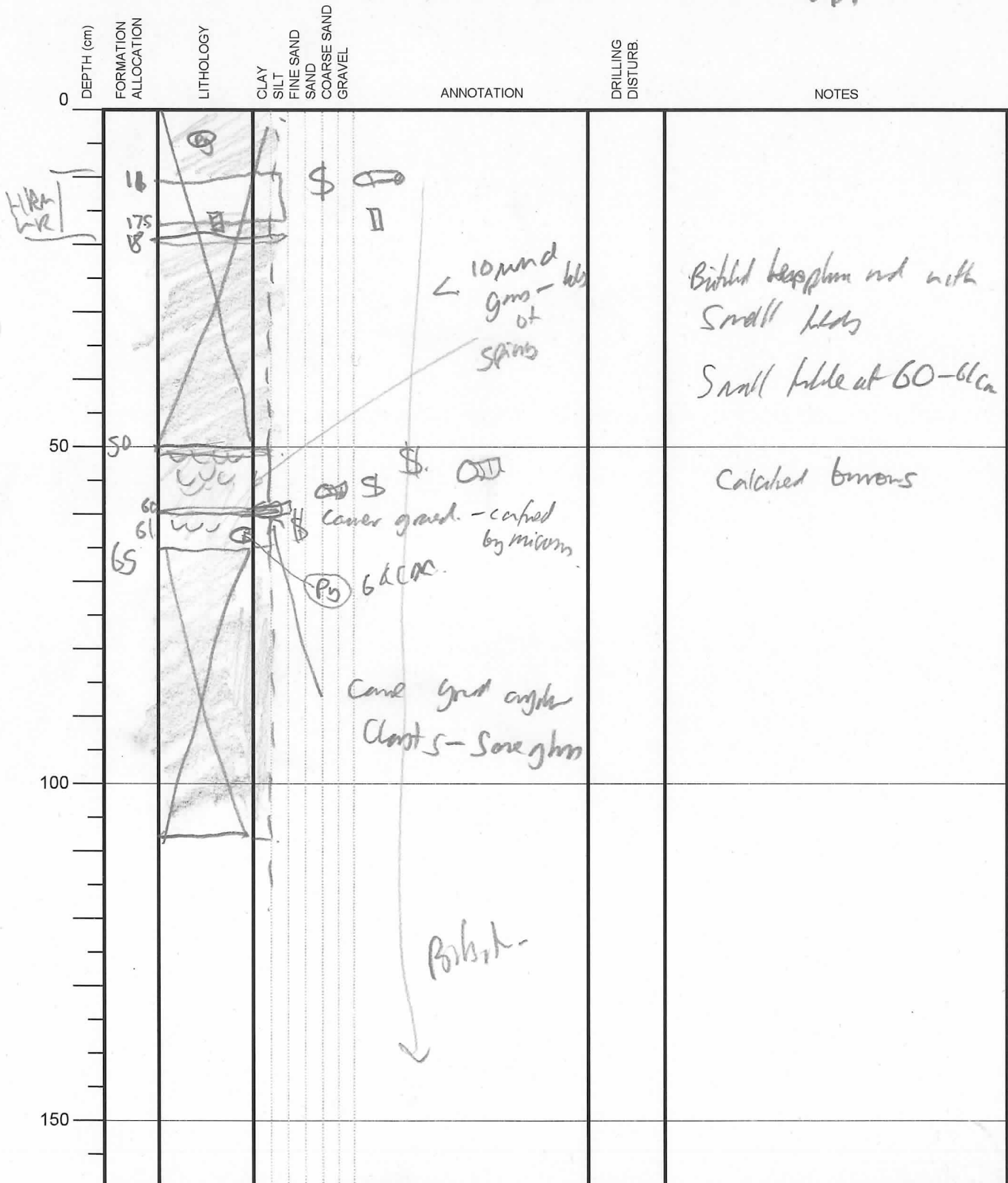
NO.

DATE: 29/9/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 2AR
SECTION: 4
TOP DEPTH (m CSF): 4871

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 29/9/2016
LOGGED FROM X-CT: YES / NO

hpt



NO.

OBSERVER: SAB 29/9
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 242

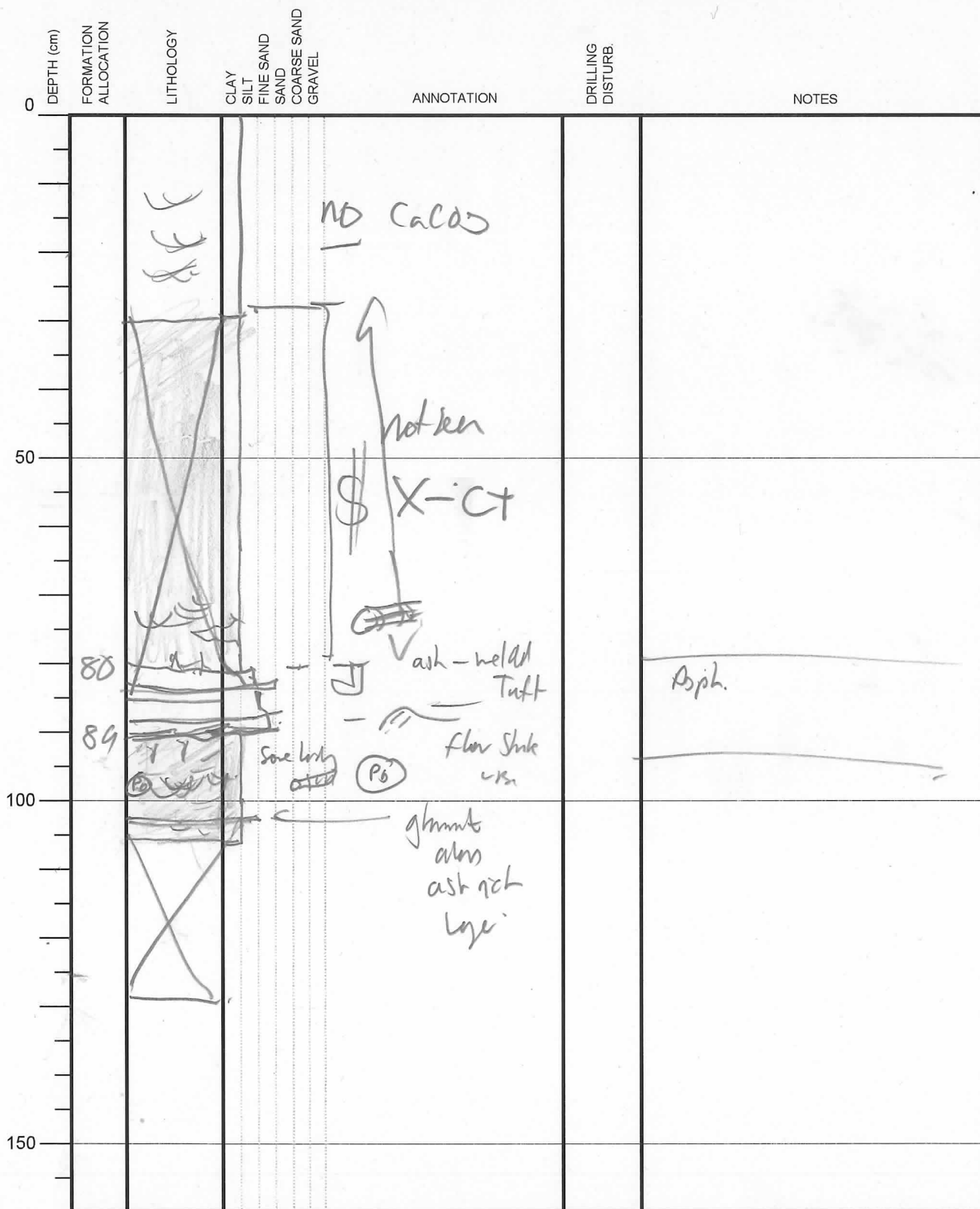
SECTION: 6

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 21/9/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 24R

SECTION: 7

TOP DEPTH (m CSF): 491.

OBSERVER: SAB

ENTERED INTO J-CORES (DATE) 21/9/2016

LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Brickled but Brms much ad dent Contd 6 into next 14cm.		Hemipyrumst. not Calcareous heavy Brbber
100				W. 93cm W. 103cm \$		—pinkish ash lenses are disrupted.
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 2A

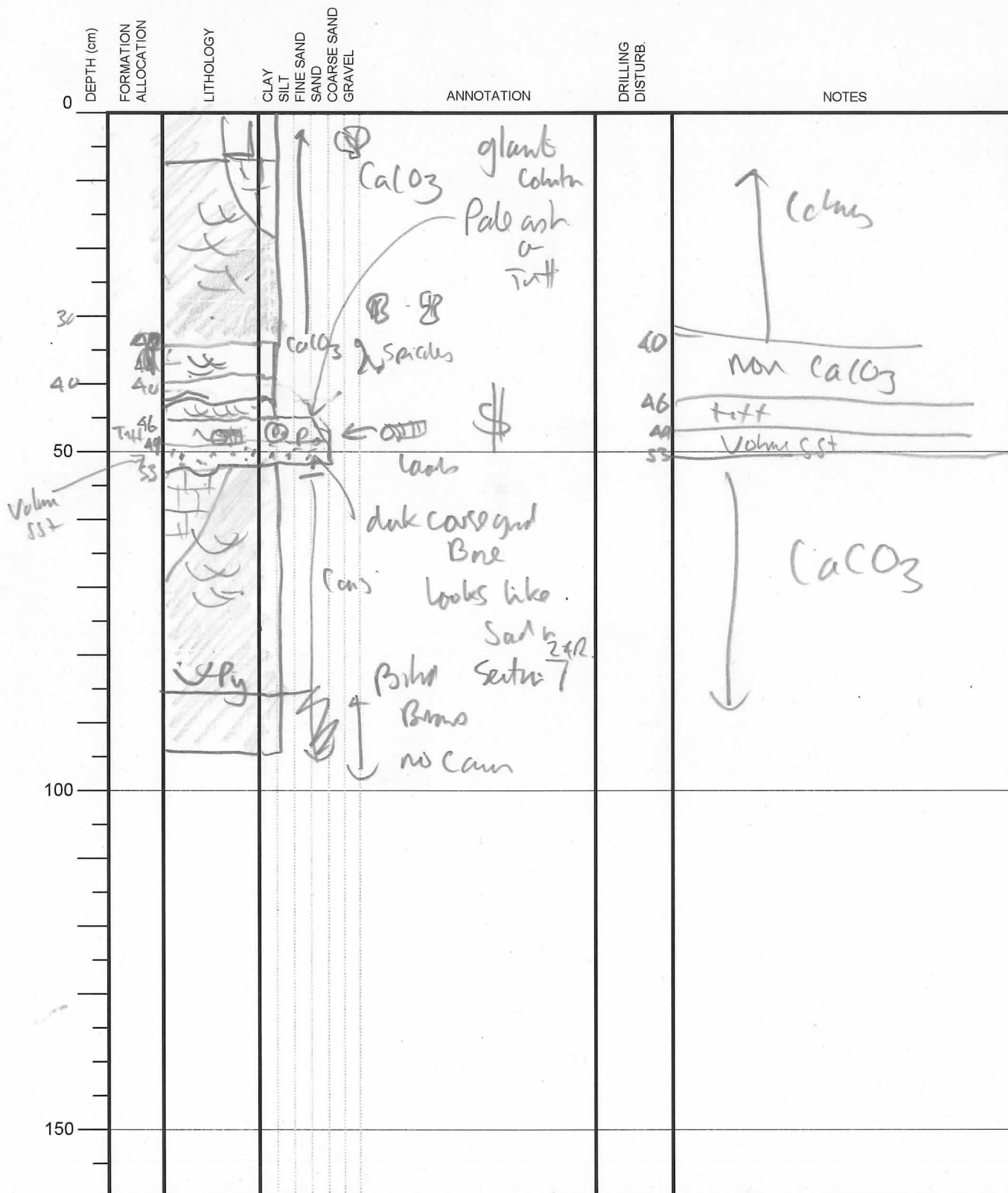
SECTION: 8

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



NO.

CORE: 74

Description

OBSERVER:

SECTION:

ENTERED INTO J-CORES (DATE): 29 / 9 / 2016

TOP DEPTH (m CSF): 400

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Calcs \$ Drill beam Calcs \$	XXXX Benton I/Lit	Calcs zones
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9 / 2016

CORE: 25R

OBSERVER: MY

EXPEDITION: 370

SECTION: 1

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF): 494 mbsf

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
5				slightly bioturbated	15	Mudrock Calcareous mudrock
50		py				49 py nodule
77		py				63 py nodule
77		py				75 py nodule
100						
105						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 30,9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

25R

SECTION:

4

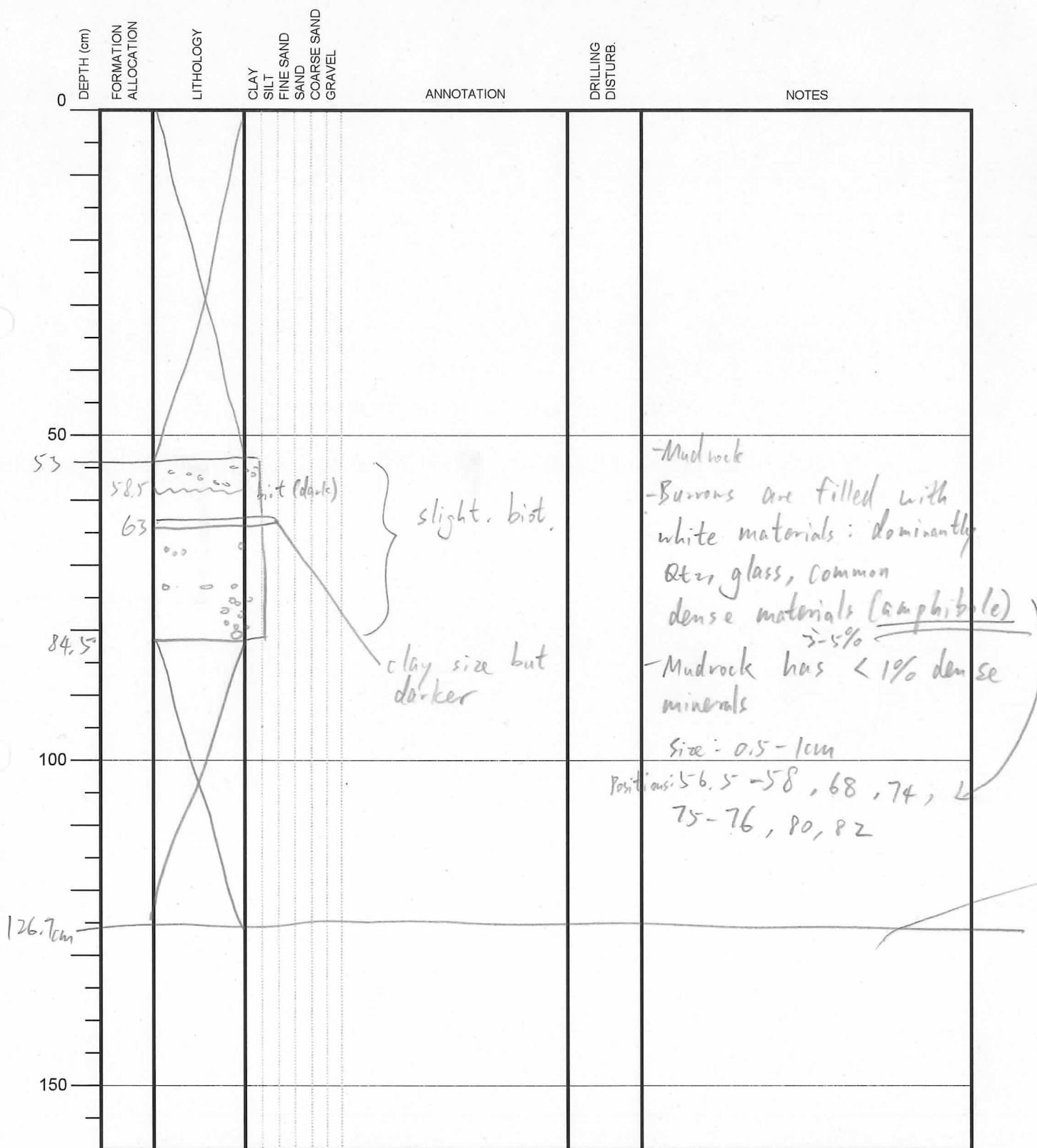
TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 30/9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 25 R

SECTION: 5

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Mudrock Slight biot. throughout. Burrows are filled w/ white (see sec #4) black ones have plenty of py.
50						White concretion burrows @: 27, 36, 52, 94
100						
106				114.5 biot / flame 115.5 silt (actually clay size)		126-137 Cal. mudrock ✓
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 25R

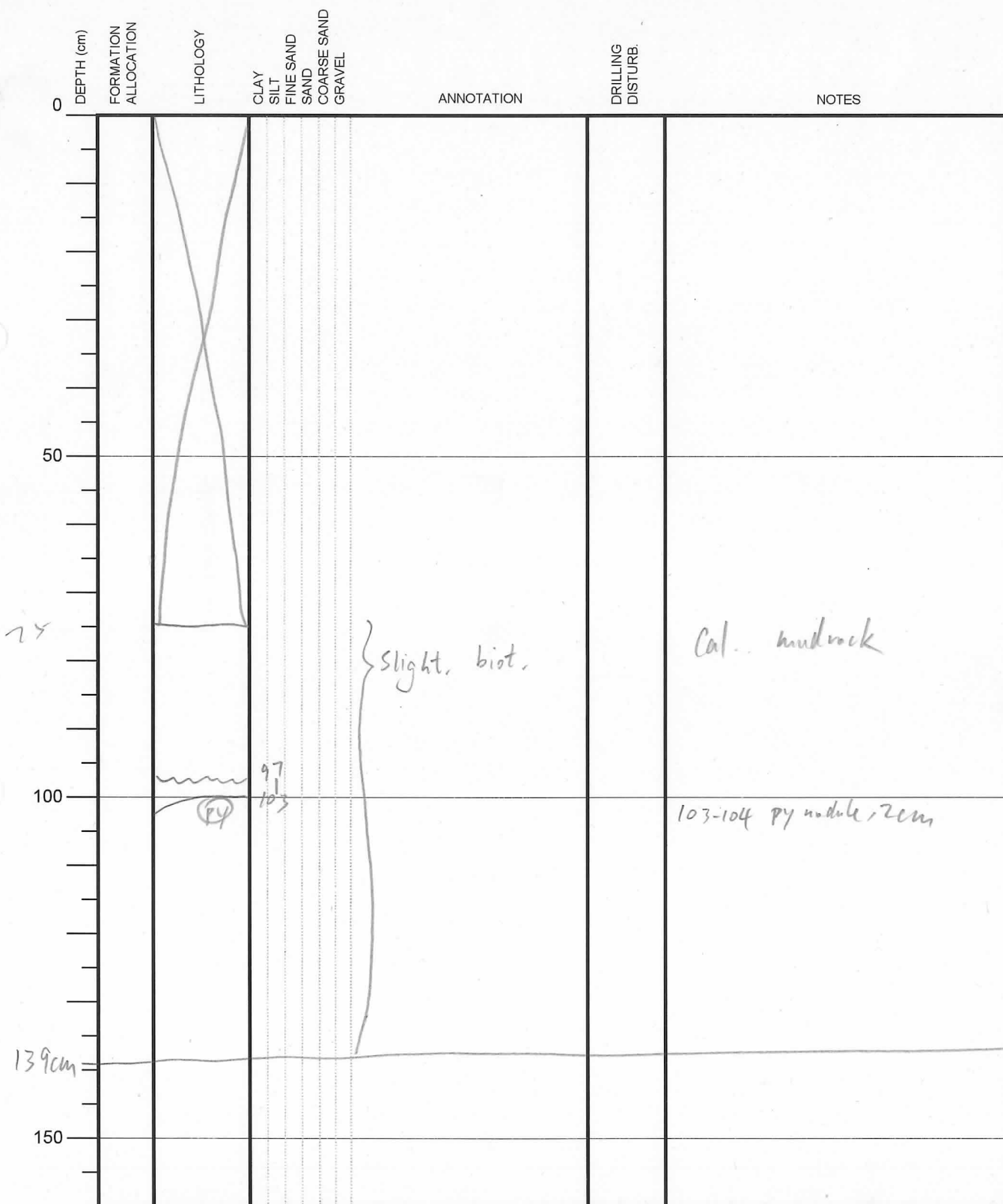
SECTION: 6

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9/2016

CORE: 25R

OBSERVER: MY

EXPEDITION: 370

SECTION: 7

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Cal mudrock
		(P)				9 py nodule (1cm)
		Q				20 Qtz agg (4mm)
		Q				27.5, 30 mm-size Qtz agg
						34 Top of silt
						37.5 base of silt
						0.2cm ash below it
						Mudrock
49.5-50				49.5-50 Grey fine sand		
52.6				Flame structure		
53.3				silt (clay-size), darker		
						68 Qtz aggreg
67		Q				
		X				Cal. mudrock mm-size
						90 spiny spine ring 2mm
109						Mudrock
		Q				129 Qtz aggreg mm-size
131.2cm						
150						

claw Kiho again

lithic fragment, glass, low carb content

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

A

CORE: 25 R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0		QQR QPY QPY Q		2.5-3.5 Patch of mod. biot (1x2cm) 3-4 cm 7Qtz agg. (see sec #4 for mineral content) 9 Qtz agg, py nodules (mm-size) 11-15 " 16 Qtz agg		Mudrock
20.5cm						
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30 9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 26
SECTION: 1,
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
						Unsharpened lensed bubble at 45 to 64 cm. color drift Foliated (lytle) bed.
50						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 30 / 9 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 26

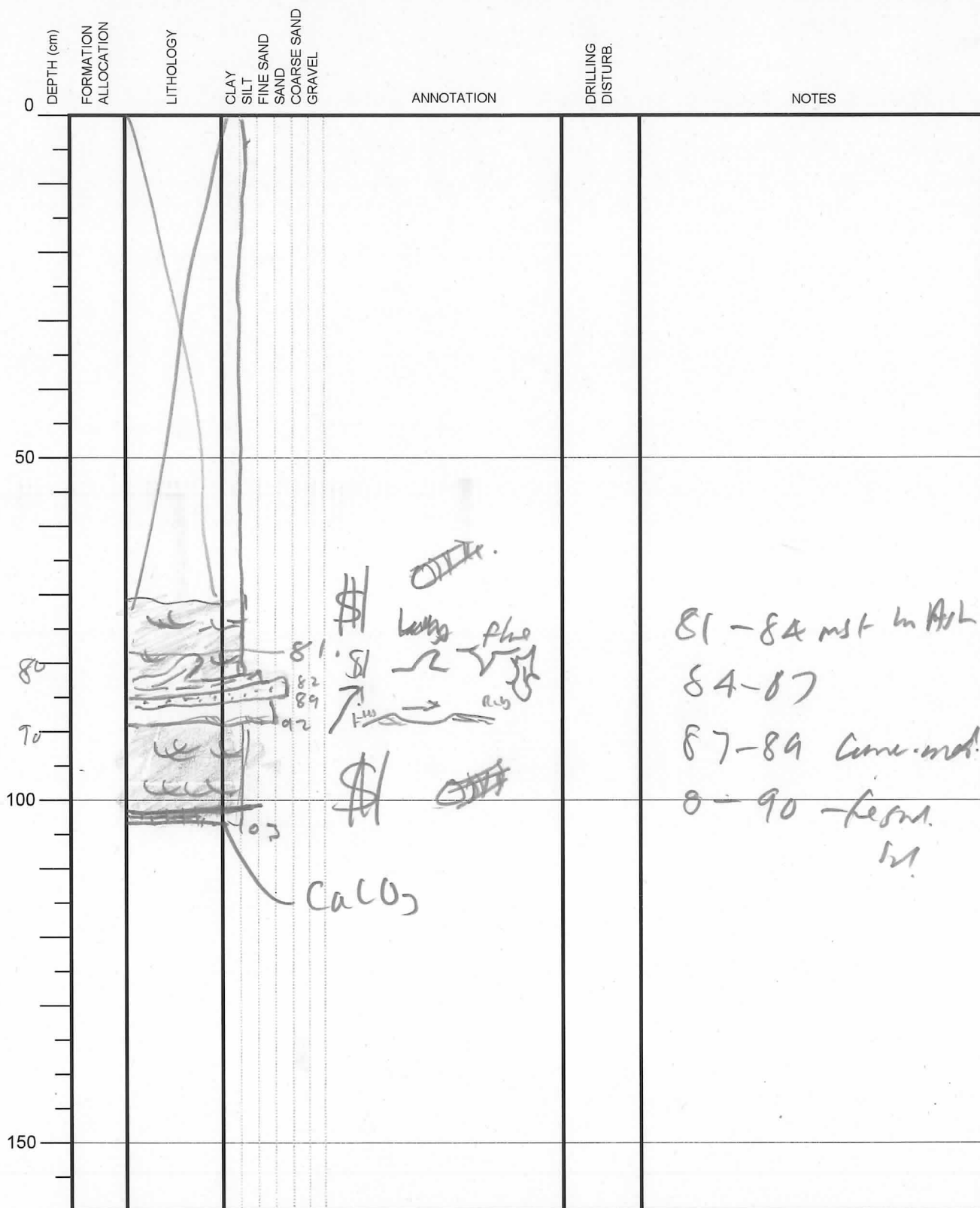
SECTION: 2

TOP DEPTH (m CSF): 50A-41

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 30 / 9 / 2016

LOGGED FROM X-CT: YES / NO



NO.

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

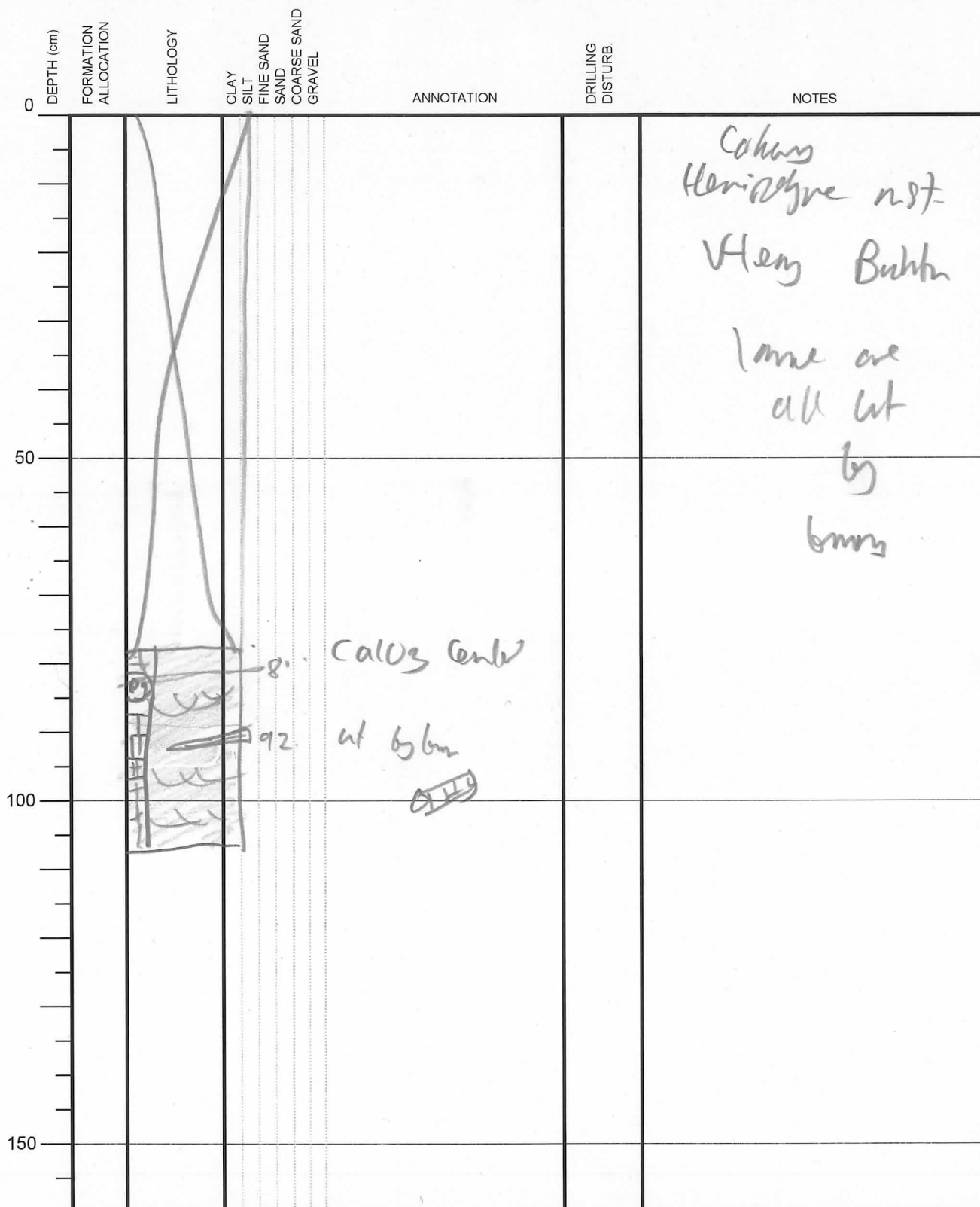
International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 26
SECTION: 5
TOP DEPTH (m CSF): 507.72

OBSERVER: STB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



NO.

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

DATE: 20/9/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 26 R.

SECTION: 7

TOP DEPTH (m CSF): 508.7 m

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
63						
68						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 26

SECTION: 8 +CC

TOP DEPTH (m CSF):

OBSERVER: SAR

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				long Calcs hangars in hole my		
				30 cm		Both are in hole to hole Bacteria Calcs not s
50						
				10.5 cm chills CC. 16 cm		
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9 / 2016

CORE: 27

OBSERVER: SAB

EXPEDITION: 370

SECTION: 1

ENTERED INTO J-CORES (DATE): 30/9 / 2016

SITE/HOLE: C0023/

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO

S13

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
12				CaCO ₃ #		Belemn
100						Broken belemnite mst.
150						

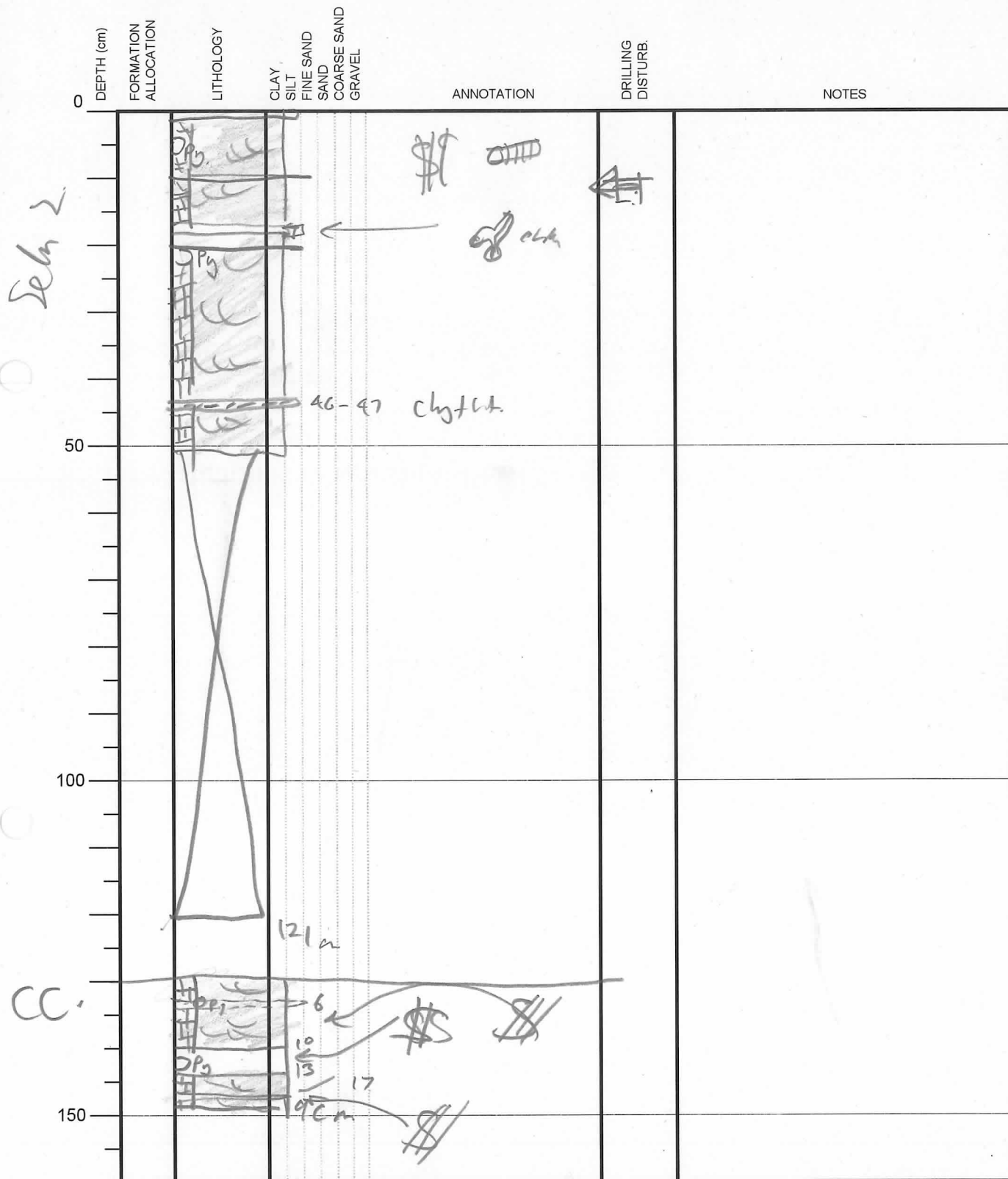
International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/9/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 27R
SECTION: 2
TOP DEPTH (m CSF): 513.98

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 30/9/2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 29.

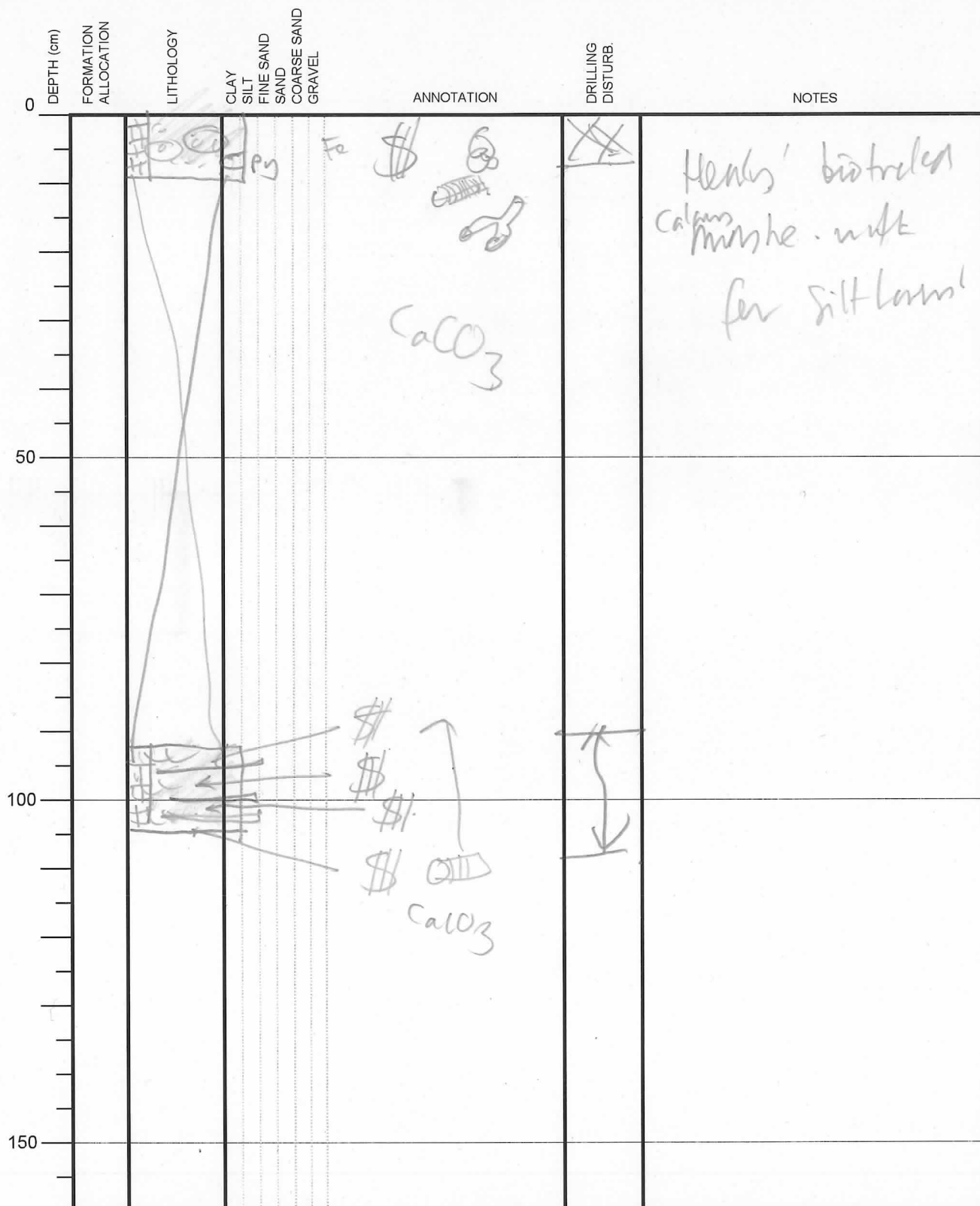
SECTION: 1-

TOP DEPTH (m CSF): 532

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/1/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 29R

SECTION: 2

TOP DEPTH (m CSF):

+CC-
533.03

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 3/1/2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				chokes \$		Black / grey Calcareous mudstone. Buddled. See sat frame - but disrupted
100				chokes \$		Buddled Calcareous mst.
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/1 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 30
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 30 / 9 / 2016
LOGGED FROM X-CT: YES/NO

*Revised from worky
w/ff.*

Amby

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
17				<i>not seen</i>		
25				<i>6 mby half</i>		
				<i>mm P₂</i>		
				<i>No calcos</i>		<i>Hardly using Buhler mst.</i>
50						
				<i>X-CT</i>		
100						
122						
150						

NO.

SAB

LOGGED FROM X-CT: YES / NO

~~A~~ marsh

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

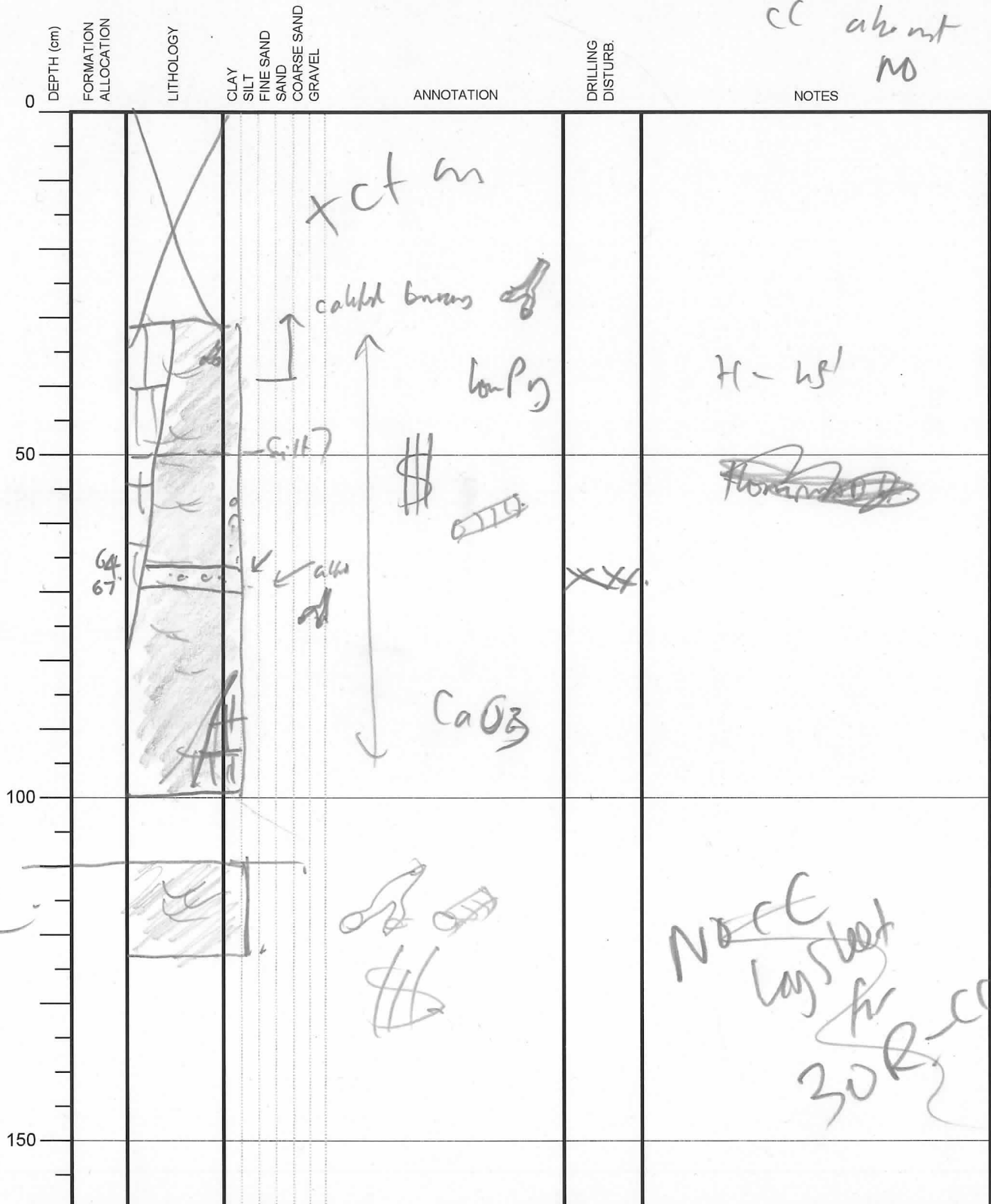
DATE: 30/9 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 303 + CC
SECTION: 3
TOP DEPTH (m CSF): 538.5

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 30/9 / 2016
LOGGED FROM X-CT: YES / NO

longer for
w_H

CC about
NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 31.R

SECTION: 1

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Handwritten: <i>Handwritten</i>		Handwritten: <i>Handwritten</i>
100				Handwritten: <i>Handwritten</i>		Handwritten: <i>Handwritten</i>
150				Handwritten: <i>Handwritten</i>		Handwritten: <i>Handwritten</i>

NO.

CORE: 31 R.

OBSERVER:

SECTION: 2

ENTERED INTO J-CORES (DATE): / / 2016

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 312

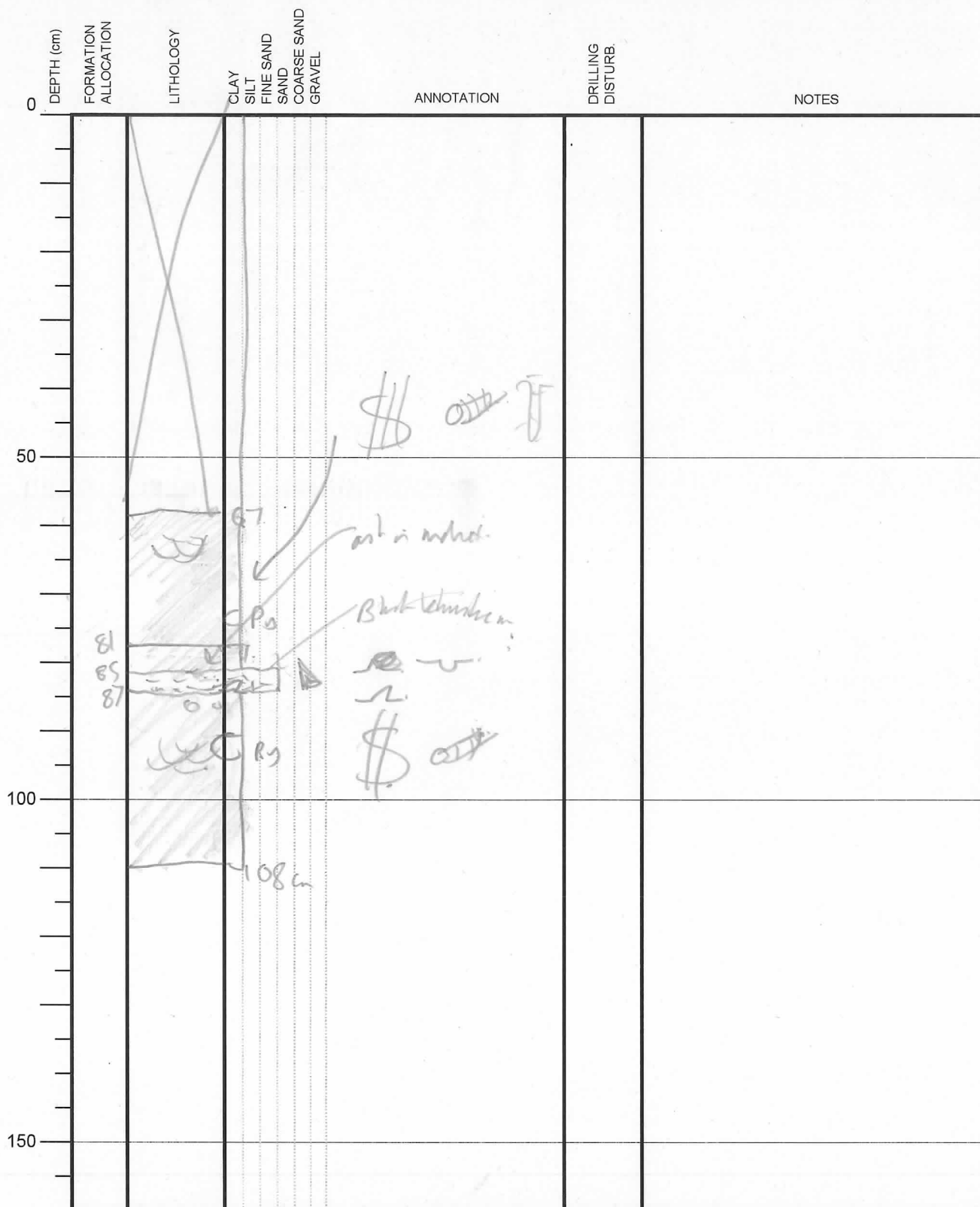
SECTION: 3

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



NO.

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 30 / 9 / 2016

LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 31R

SECTION: 5

TOP DEPTH (m CSF): 345.9

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 1/10/2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						Black BGS of 1h at 43 cm
100						also 83 86
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 1 / 10 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 31

SECTION: 6

TOP DEPTH (m CSF):

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 1 / 19 / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
22						
30						
40						
50						
60						
70						
80						
90						
100						
110						
120						
130						
140						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE:

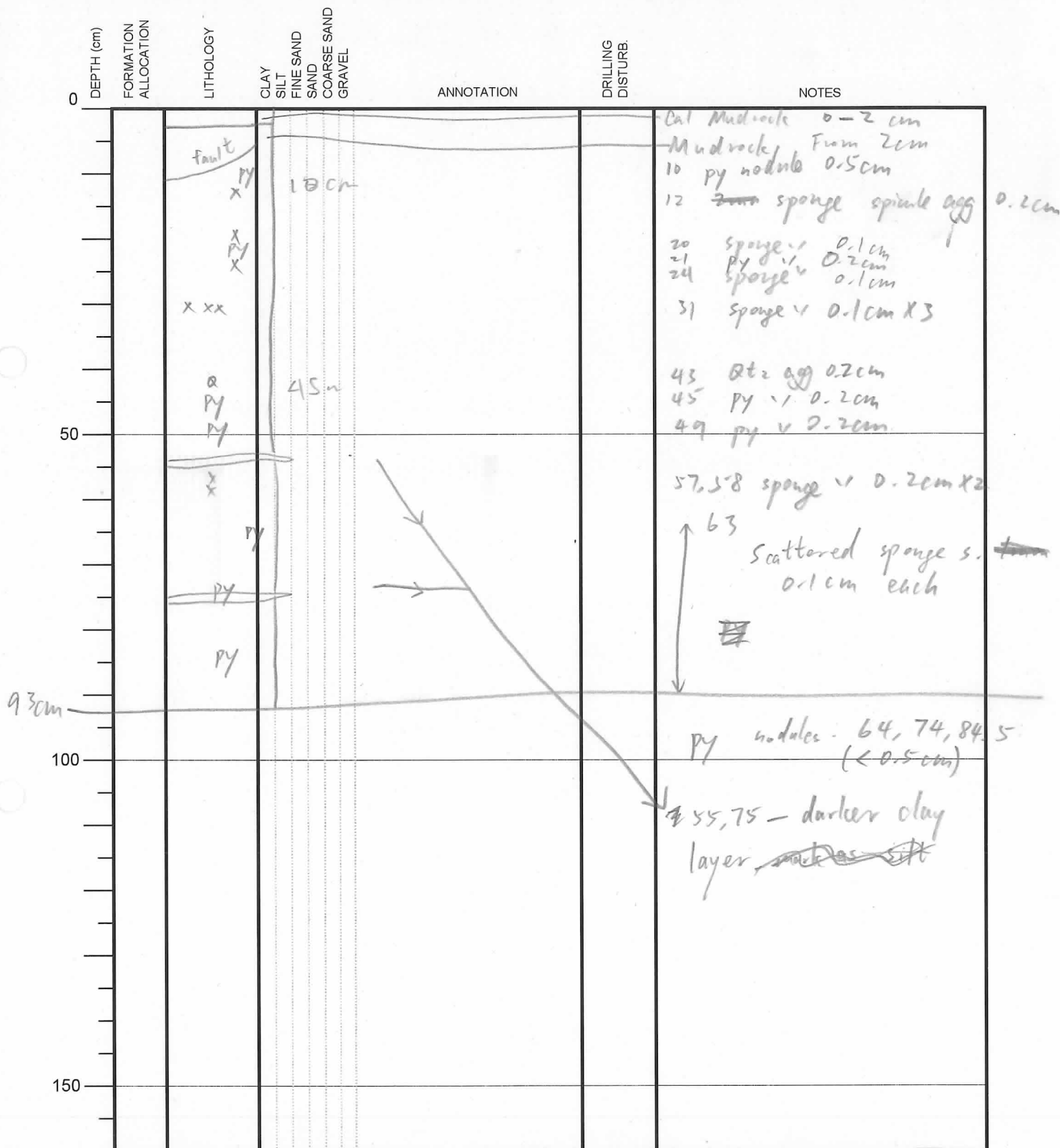
SECTION:

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



NO.

CORE: 32R

OBSERVER: MY

SECTION:

ENTERED INTO J-CORES (DATE): / / 2016

A

TOP DEPTH (m CSF): 550.8 m

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

32R

SECTION:

3

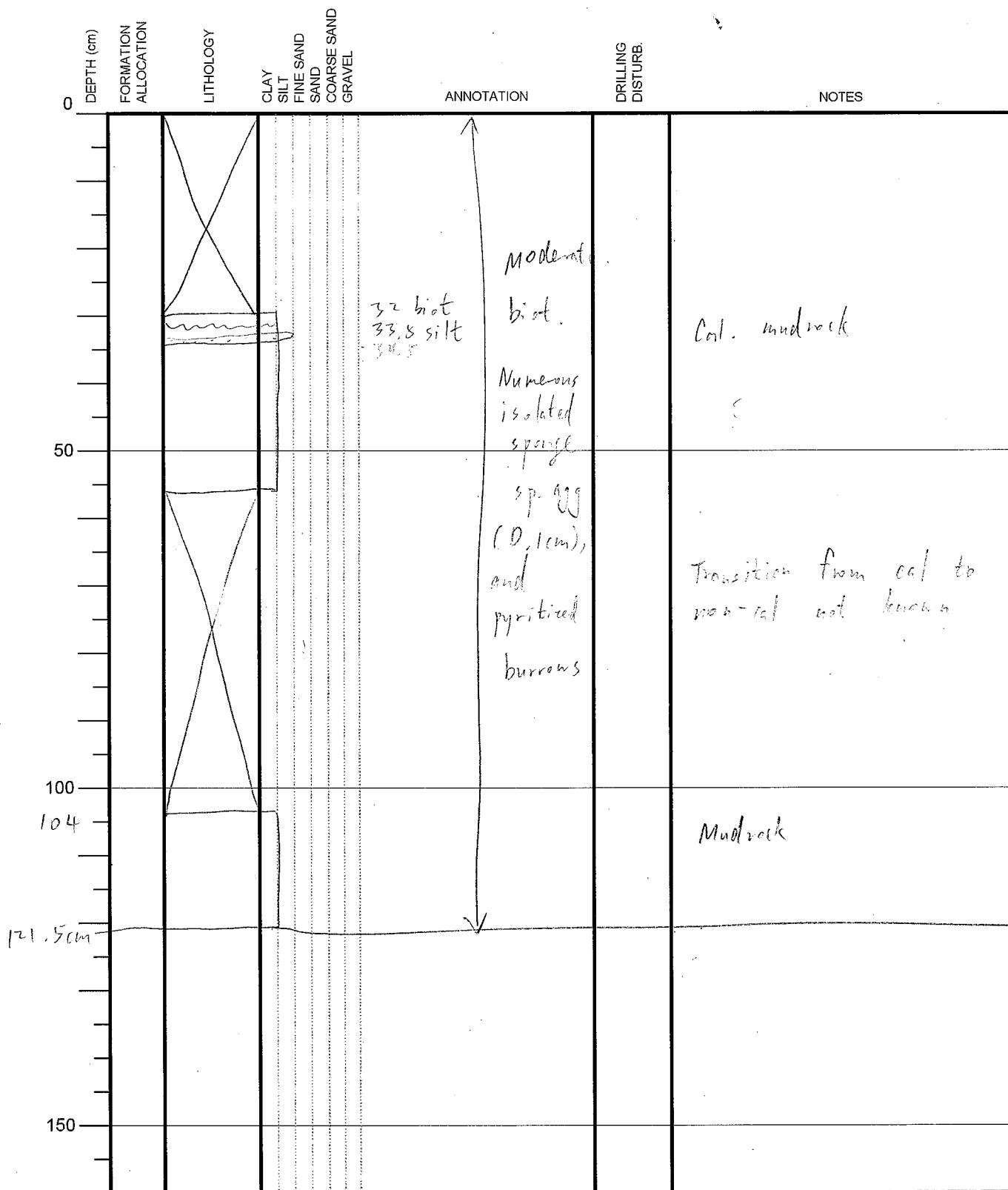
TOP DEPTH (m CSF):

OBSERVER:

MM

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 1/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 33R
SECTION: 1+CC
TOP DEPTH (m CSF): 560

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0	3	M				Mudrock 1-3, 9-11
11cm	9	M xxx				2 py nodule (0.1cm) .. 6.5 too 9 Tour agg of sponge spicules (0.3-0.5cm)
50	6	>>>>		4 biot (zoophycos)		3-9 silty sandy to silty, paler in color (tuff or quartz) - has biotite
45.5cm		⊙ ⊙				Cal mudrock
100						43.5-45.5 - py nodule (1cm) - tuff fragment (1cm)
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 33R

SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						1-37. mudrock 53-132 cal mudrock 132-141 mudrock
50		black grey		37-39 flame structure, bioturbation light grey mud Dark grey med sand Black sand Black+grey sand	≤1-8 heavily	base is not sharp, grey layer mixing w/ the black sand
53				51-52 Med sand, grey 52-53 Black mud 55-57 Med sand, grey	≤63-64	Flame structure of the black mud going into the grey sand above
70				Isolated sponge spicule aggs (1mm)		Isolated sponge spicule aggs mm-sizes throughout the core
74						
94.5				biot	≤88	
96				silt (grey clay)		
100					≤101	
110				py burrows		
112				zoophycos every 2 cm, horizontal		
120.5				py nodule		
123						
134				zoophycos burrow		
137						
141						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

33R

SECTION:

3

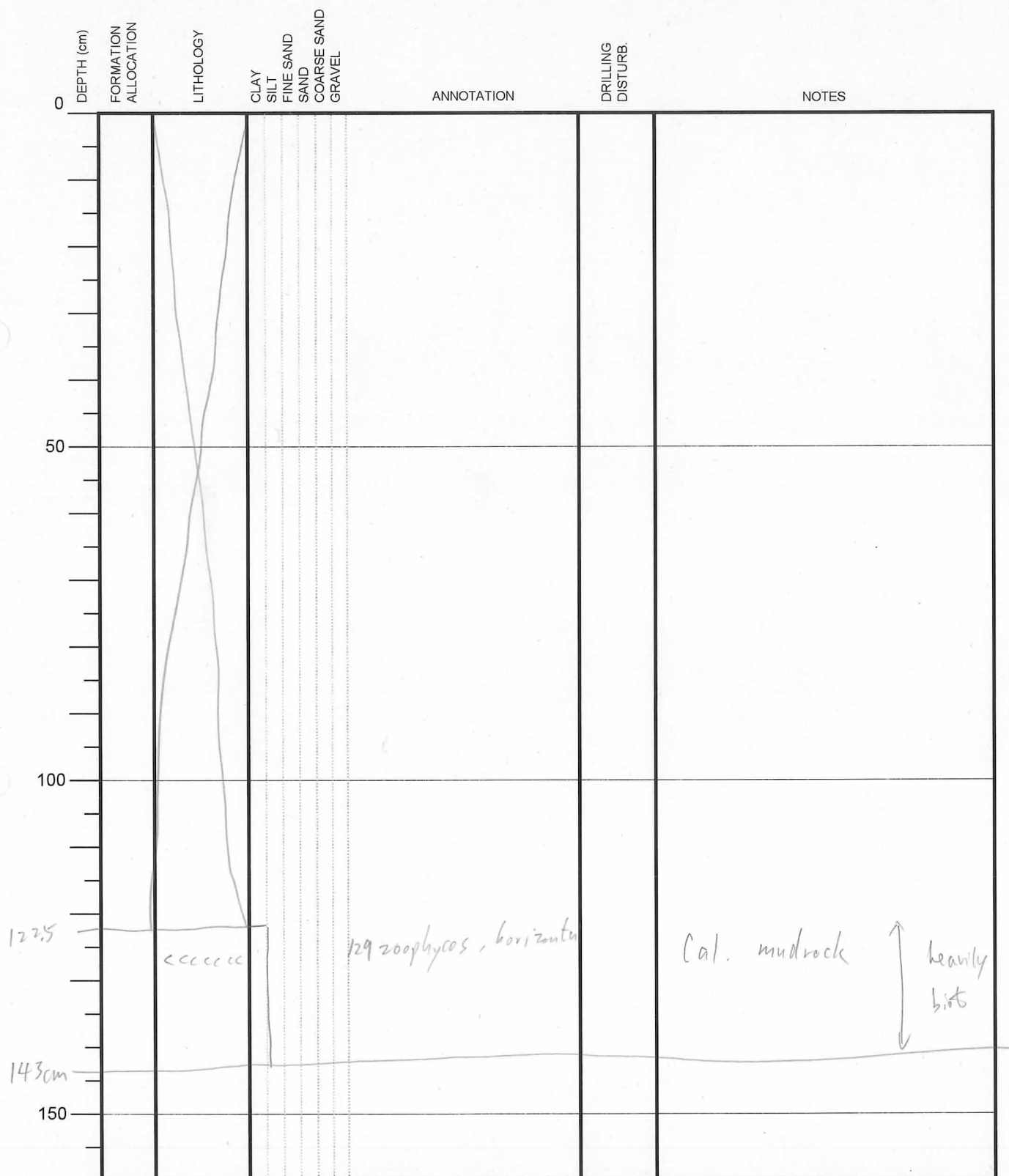
TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 33R

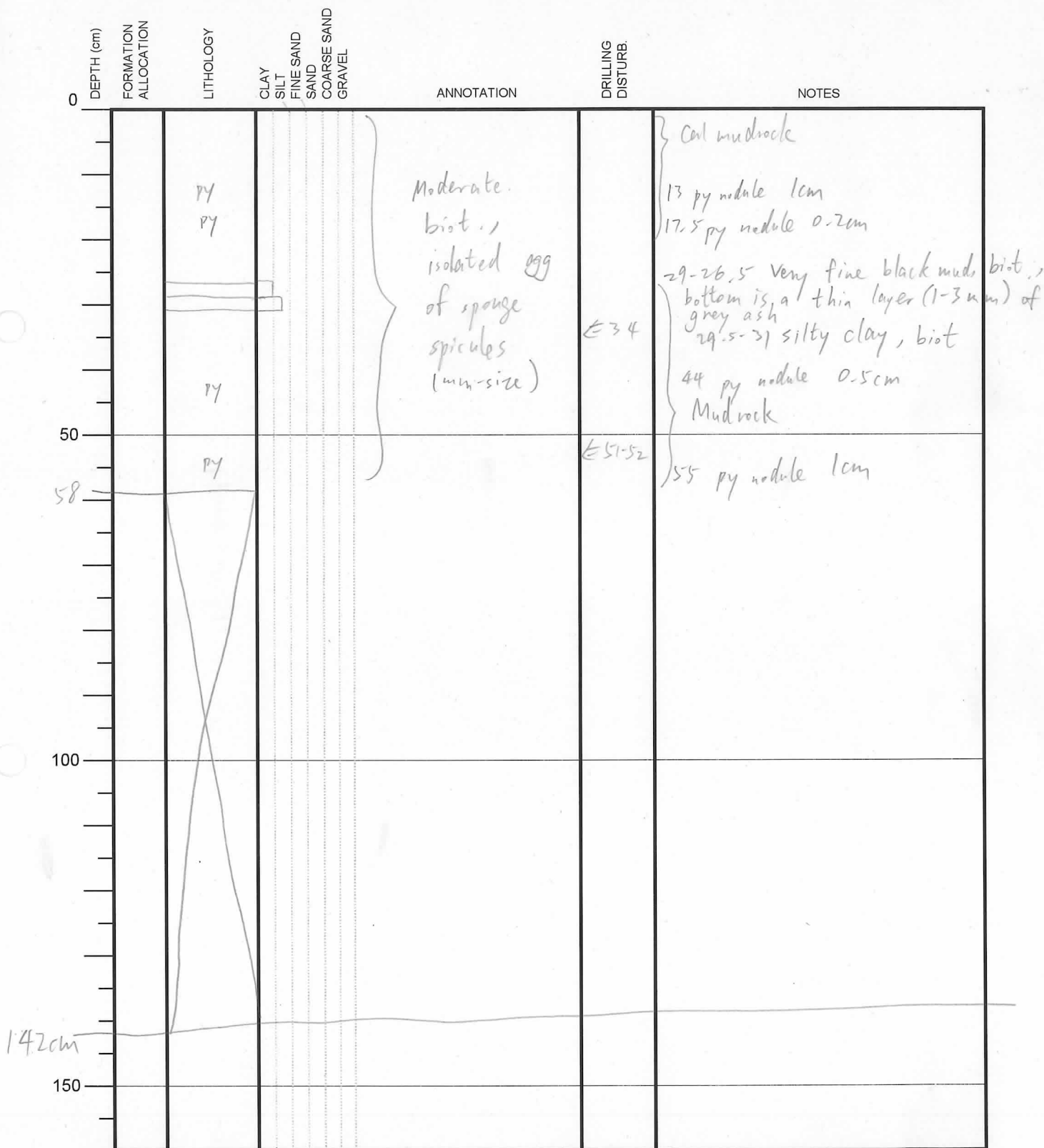
SECTION: 4

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



the section is immersed in high-density drilling mud (milky orange in colour).

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 33R

SECTION: 5

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Mudrock py position = 23,
50		py		silt layers: 42 43-5	≤ 30	
100		xxx		54 57 61 63 66 67 69 70 73 77 80 83 86 94	≤ 54 ≤ 80	sponge spicule agg = 60, 142
144cm				126.5 136 143	≤ 102 ≤ 140	The whole sec is heavily bioturbated. Burrows filled w/ pyritized materials
150						

a heated
fault

section submerged in high-density drilling mud.

International Ocean Discovery Program Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 33R

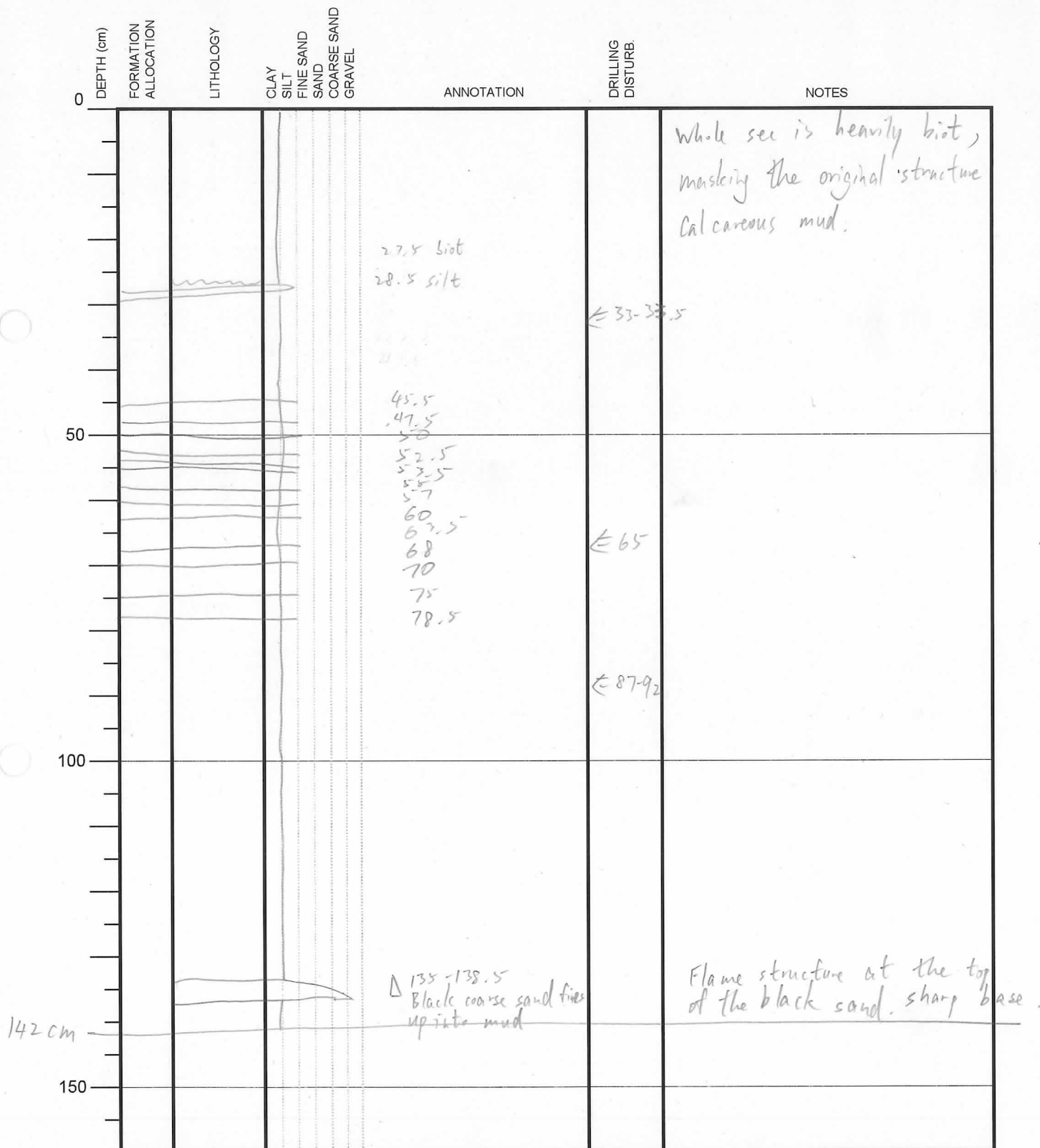
SECTION: 6

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



Section immersed in high-density drilling mud.

NO.

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 33R

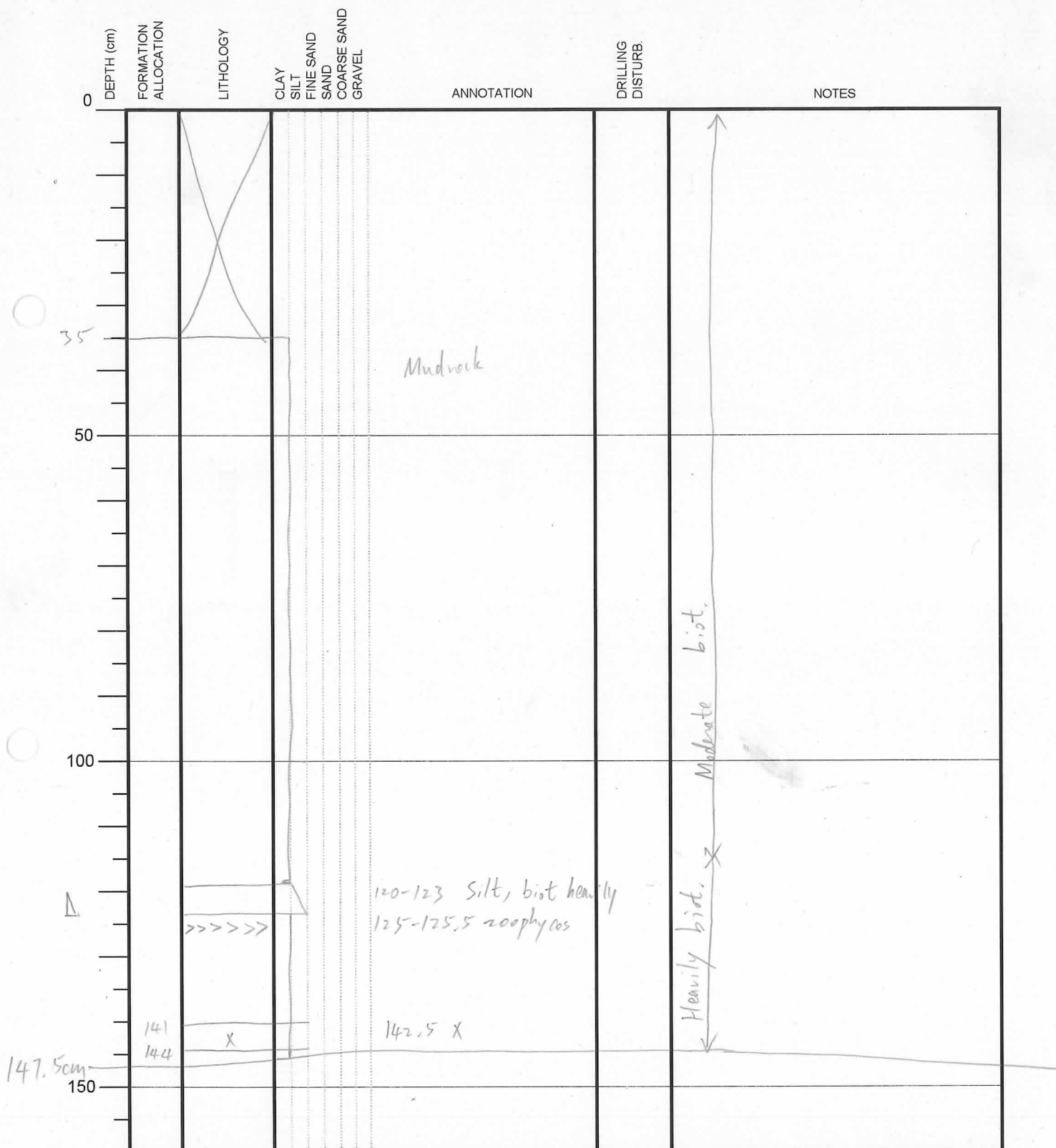
SECTION: 8

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 33R.
SECTION: 14 + CC.

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				no CaCO_3		Bioturbated mudstone. low silt content high silt content with worm tubes at about 30%
50						
100						
150						

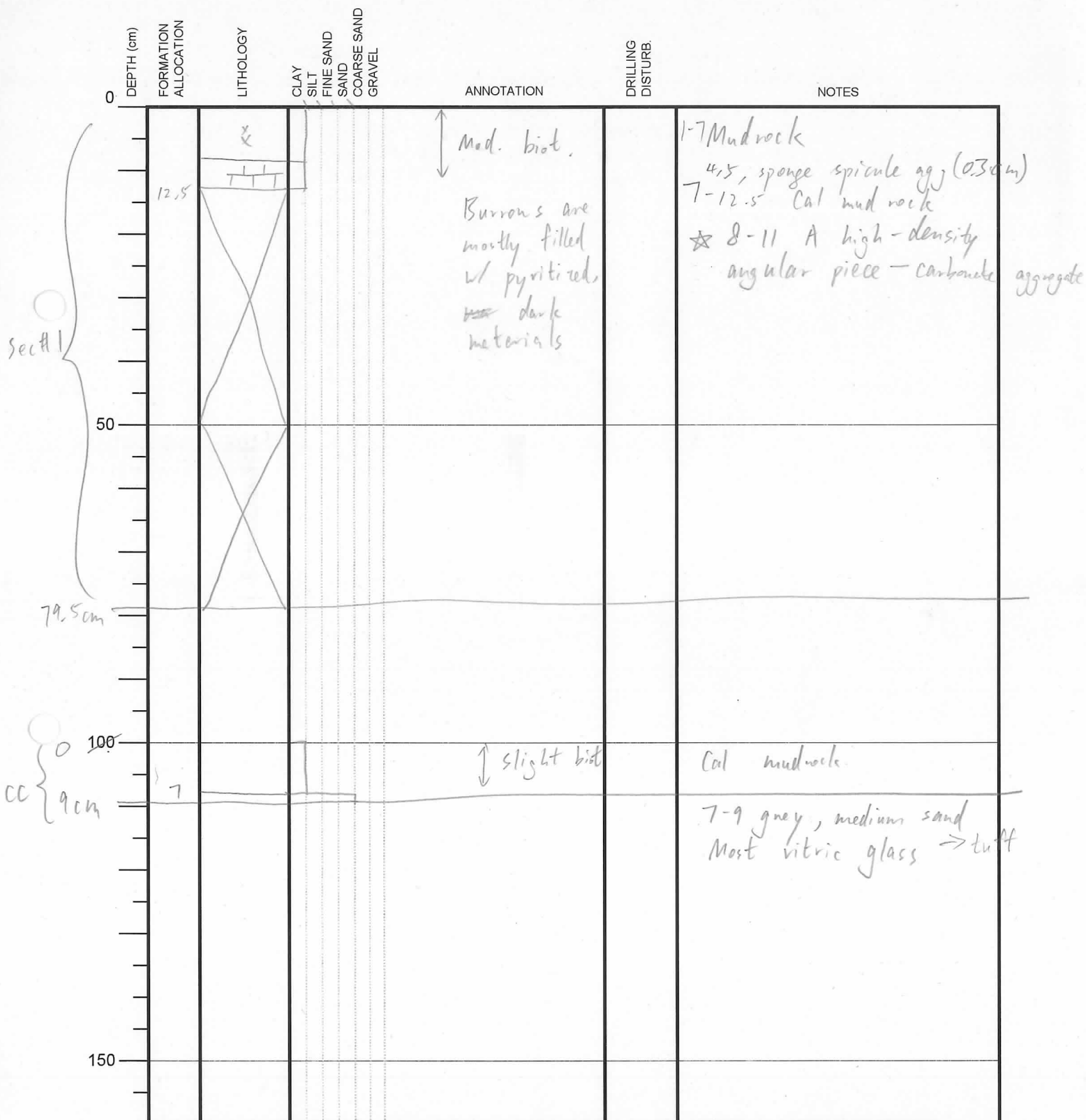
International Ocean Discovery Program Visual Core Description

NO.

DATE: 1/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 34R
SECTION: 1 + CC
TOP DEPTH (m CSF): 569.5 mbsf

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

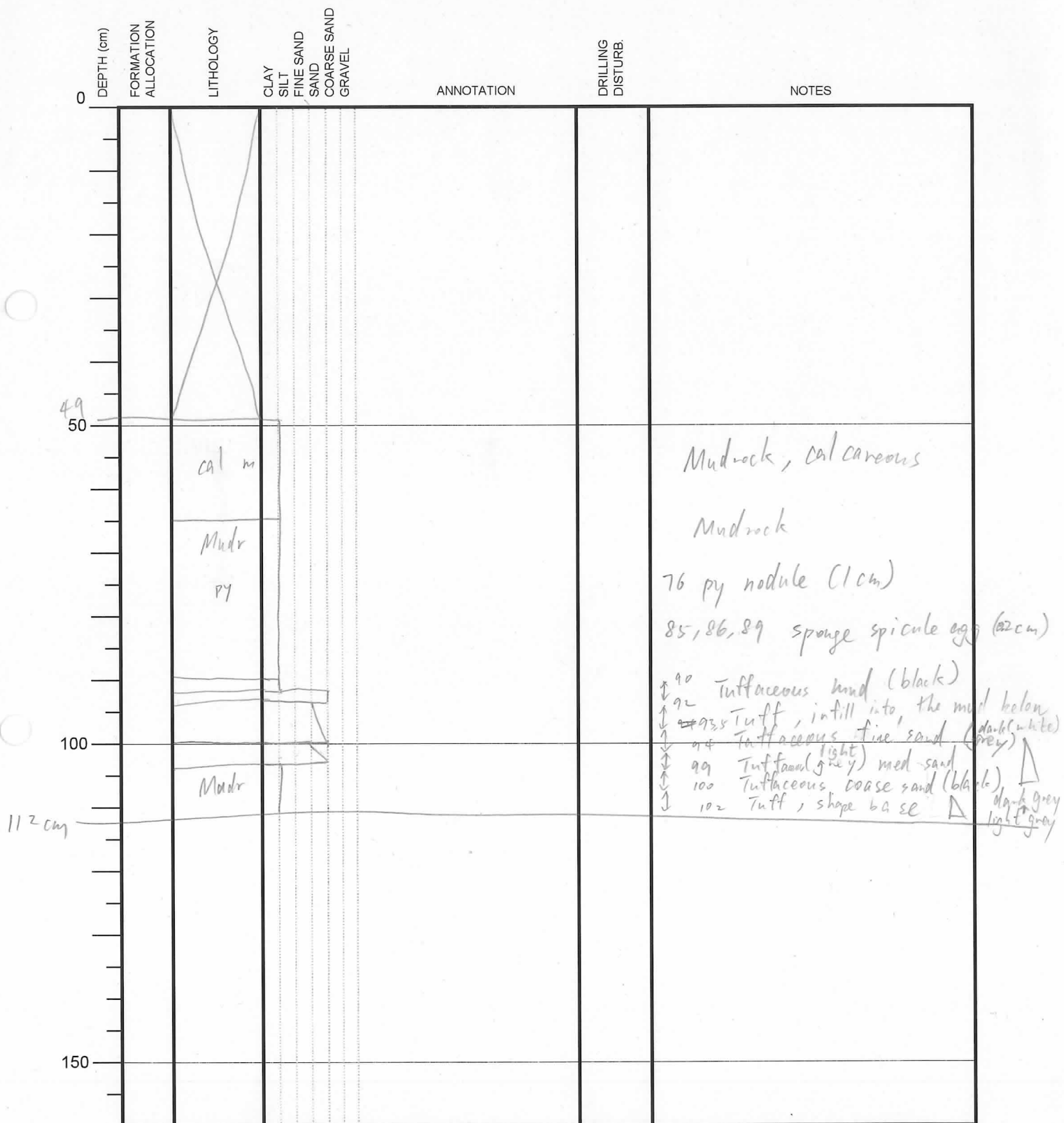
Visual Core Description

NO.

DATE: 1/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 34R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



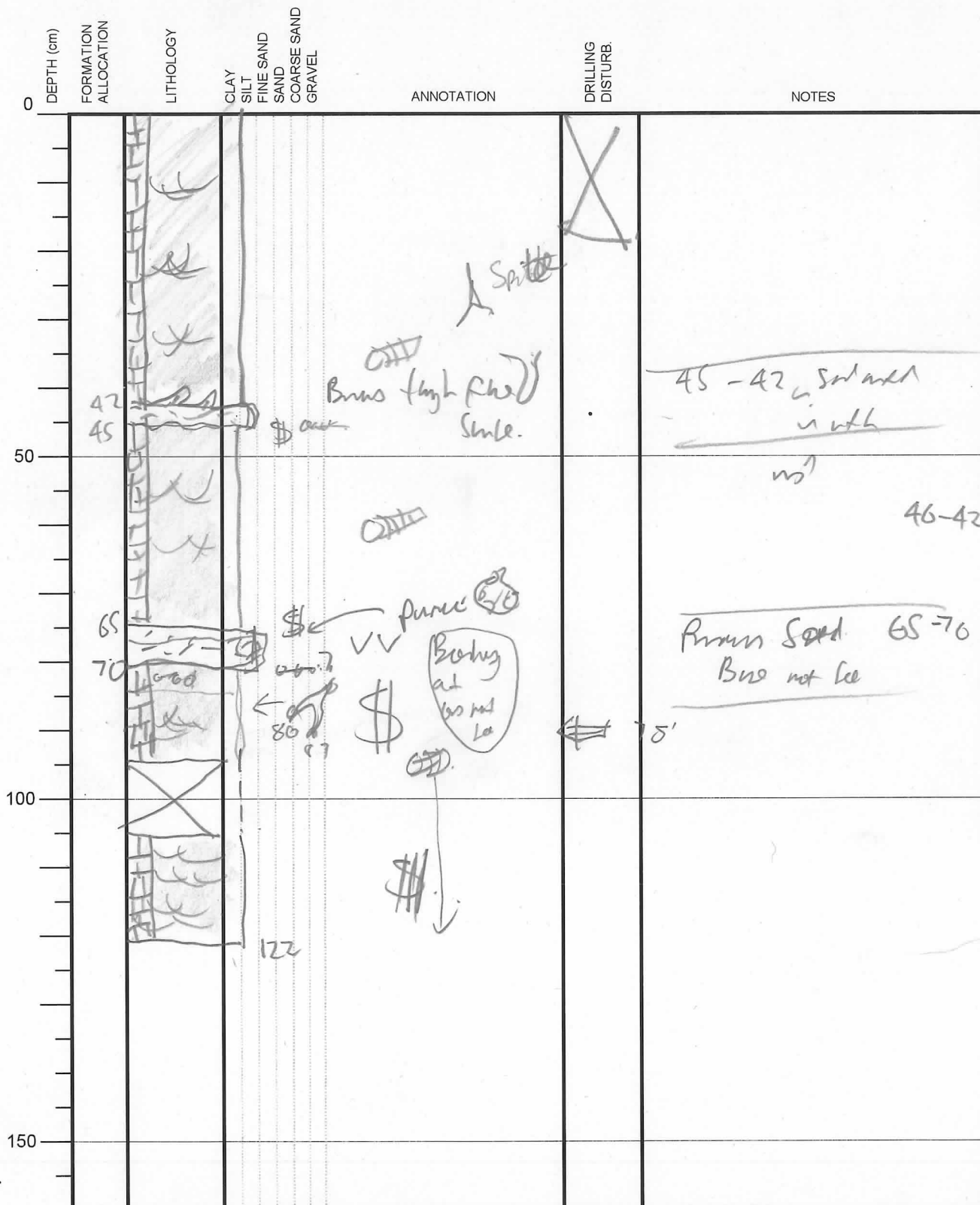
International Ocean Discovery Program Visual Core Description

NO.

DATE: 1 / 16 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 352
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 1 / 16 / 2016
LOGGED FROM X-CT: YES / NO



NO.

OBSERVER: *SAB*
ENTERED INTO J-CORES (DATE): *1 / 10 / 2016*
LOGGED FROM X-CT: *YES* / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 1 / 16 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 35R
SECTION: 5
TOP DEPTH (m CSF): 575.48

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 1 / 16 / 2016
LOGGED FROM X-C: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Handwritten notes in ANNOTATION column: Sketch of a core section with labels: "L Spk", "COT", "no h3", and a large "#".		Handwritten notes in NOTES column: - lenh bitveled - note. - no columns
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 3SR
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						Boulders not 10.5 x 10.8 x 10.8 T needed to cut fine silt use - mixed with sediment
100						10.5 x 10.8 Boulders 11.3 Drill bit
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 1/16/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 350
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: JAB
ENTERED INTO J-CORES (DATE): 1/16/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
20						
26						Broken white silt
31						26-29 volcanic ash with glass beads (Bubbles, Archaebacteria) etc
33						29-32 white sst with chert nodules
50						Low on core. Archaebacteria white at top
						32-33 white, silty glauconitic fragments Some flower structures
100						
150						

International Ocean Discovery Program Visual Core Description

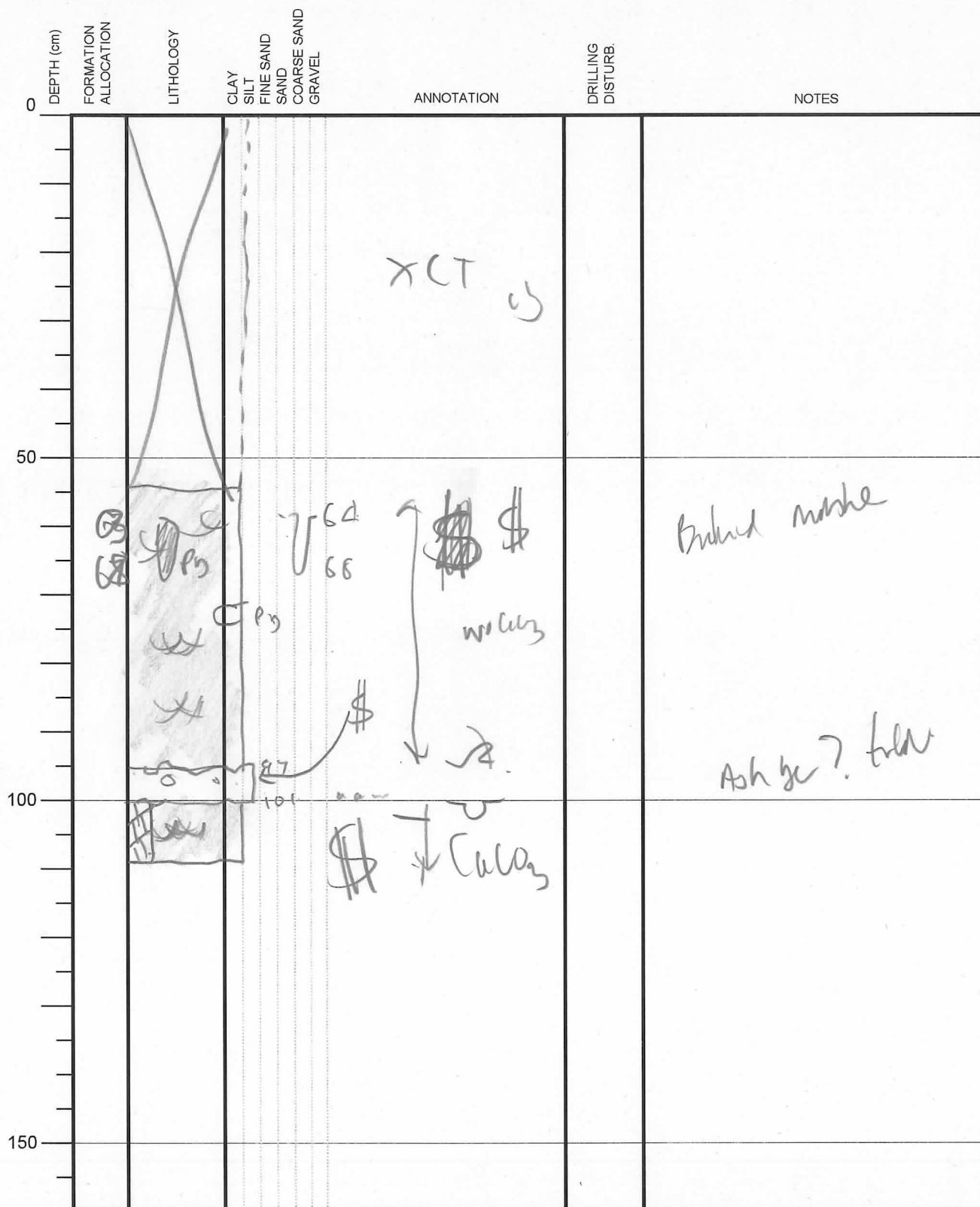
NO.



DATE: 1 / 10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 36R
SECTION: 1'
TOP DEPTH (m CSF): 583

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 1 / 10 / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

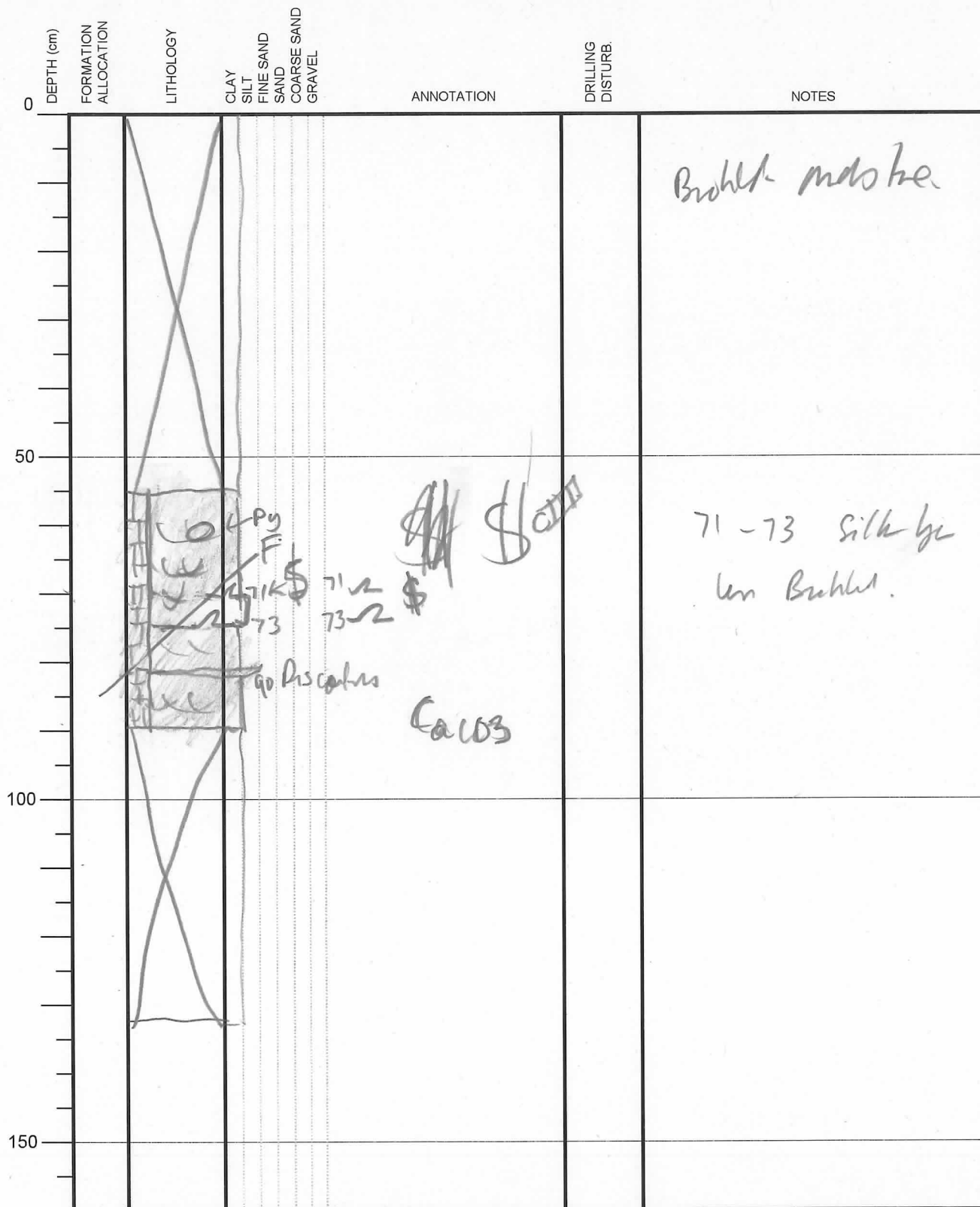
Visual Core Description

NO.

DATE: 1/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 36R
SECTION: 2
TOP DEPTH (m CSF): 584

OBSERVER: SAR
ENTERED INTO J-CORES (DATE): 1/10/2016
LOGGED FROM X-CT: YES/NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 36

SECTION: 3

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Bubbled bluh ms
50				P ₁ P ₂ P ₃ P ₄ P ₅ P ₆ P ₇ P ₈ P ₉ P ₁₀ P ₁₁ P ₁₂ P ₁₃ P ₁₄ P ₁₅ P ₁₆ P ₁₇ P ₁₈ P ₁₉ P ₂₀ P ₂₁ P ₂₂ P ₂₃ P ₂₄ P ₂₅ P ₂₆ P ₂₇ P ₂₈ P ₂₉ P ₃₀ P ₃₁ P ₃₂ P ₃₃ P ₃₄ P ₃₅ P ₃₆ P ₃₇ P ₃₈ P ₃₉ P ₄₀ P ₄₁ P ₄₂ P ₄₃ P ₄₄ P ₄₅ P ₄₆ P ₄₇ P ₄₈ P ₄₉ P ₅₀ P ₅₁ P ₅₂ P ₅₃ P ₅₄ P ₅₅ P ₅₆ P ₅₇ P ₅₈ P ₅₉ P ₆₀ P ₆₁ P ₆₂ P ₆₃ P ₆₄ P ₆₅ P ₆₆ P ₆₇ P ₆₈ P ₆₉ P ₇₀ P ₇₁ P ₇₂ P ₇₃ P ₇₄ P ₇₅ P ₇₆ P ₇₇ P ₇₈ P ₇₉ P ₈₀ P ₈₁ P ₈₂ P ₈₃ P ₈₄ P ₈₅ P ₈₆ P ₈₇ P ₈₈ P ₈₉ P ₉₀ P ₉₁ P ₉₂ P ₉₃ P ₉₄ P ₉₅ P ₉₆ P ₉₇ P ₉₈ P ₉₉ P ₁₀₀ P ₁₀₁ P ₁₀₂ P ₁₀₃ P ₁₀₄ P ₁₀₅ P ₁₀₆ P ₁₀₇ P ₁₀₈ P ₁₀₉ P ₁₁₀ P ₁₁₁ P ₁₁₂ P ₁₁₃ P ₁₁₄ P ₁₁₅ P ₁₁₆ P ₁₁₇ P ₁₁₈ P ₁₁₉ P ₁₂₀ P ₁₂₁ P ₁₂₂ P ₁₂₃ P ₁₂₄ P ₁₂₅ P ₁₂₆ P ₁₂₇ P ₁₂₈ P ₁₂₉ P ₁₃₀ P ₁₃₁ P ₁₃₂ P ₁₃₃ P ₁₃₄ P ₁₃₅ P ₁₃₆ P ₁₃₇ P ₁₃₈ P ₁₃₉ P ₁₄₀ P ₁₄₁ P ₁₄₂ P ₁₄₃ P ₁₄₄ P ₁₄₅ P ₁₄₆ P ₁₄₇ P ₁₄₈ P ₁₄₉ P ₁₅₀ P ₁₅₁ P ₁₅₂ P ₁₅₃ P ₁₅₄ P ₁₅₅ P ₁₅₆ P ₁₅₇ P ₁₅₈ P ₁₅₉ P ₁₆₀ P ₁₆₁ P ₁₆₂ P ₁₆₃ P ₁₆₄ P ₁₆₅ P ₁₆₆ P ₁₆₇ P ₁₆₈ P ₁₆₉ P ₁₇₀ P ₁₇₁ P ₁₇₂ P ₁₇₃ P ₁₇₄ P ₁₇₅ P ₁₇₆ P ₁₇₇ P ₁₇₈ P ₁₇₉ P ₁₈₀ P ₁₈₁ P ₁₈₂ P ₁₈₃ P ₁₈₄ P ₁₈₅ P ₁₈₆ P ₁₈₇ P ₁₈₈ P ₁₈₉ P ₁₉₀ P ₁₉₁ P ₁₉₂ P ₁₉₃ P ₁₉₄ P ₁₉₅ P ₁₉₆ P ₁₉₇ P ₁₉₈ P ₁₉₉ P ₂₀₀ P ₂₀₁ P ₂₀₂ P ₂₀₃ P ₂₀₄ P ₂₀₅ P ₂₀₆ P ₂₀₇ P ₂₀₈ P ₂₀₉ P ₂₁₀ P ₂₁₁ P ₂₁₂ P ₂₁₃ P ₂₁₄ P ₂₁₅ P ₂₁₆ P ₂₁₇ P ₂₁₈ P ₂₁₉ P ₂₂₀ P ₂₂₁ P ₂₂₂ P ₂₂₃ P ₂₂₄ P ₂₂₅ P ₂₂₆ P ₂₂₇ P ₂₂₈ P ₂₂₉ P ₂₃₀ P ₂₃₁ P ₂₃₂ P ₂₃₃ P ₂₃₄ P ₂₃₅ P ₂₃₆ P ₂₃₇ P ₂₃₈ P ₂₃₉ P ₂₄₀ P ₂₄₁ P ₂₄₂ P ₂₄₃ P ₂₄₄ P ₂₄₅ P ₂₄₆ P ₂₄₇ P ₂₄₈ P ₂₄₉ P ₂₅₀ P ₂₅₁ P ₂₅₂ P ₂₅₃ P ₂₅₄ P ₂₅₅ P ₂₅₆ P ₂₅₇ P ₂₅₈ P ₂₅₉ P ₂₆₀ P ₂₆₁ P ₂₆₂ P ₂₆₃ P ₂₆₄ P ₂₆₅ P ₂₆₆ P ₂₆₇ P ₂₆₈ P ₂₆₉ P ₂₇₀ P ₂₇₁ P ₂₇₂ P ₂₇₃ P ₂₇₄ P ₂₇₅ P ₂₇₆ P ₂₇₇ P ₂₇₈ P ₂₇₉ P ₂₈₀ P ₂₈₁ P ₂₈₂ P ₂₈₃ P ₂₈₄ P ₂₈₅ P ₂₈₆ P ₂₈₇ P ₂₈₈ P ₂₈₉ P ₂₉₀ P ₂₉₁ P ₂₉₂ P ₂₉₃ P ₂₉₄ P ₂₉₅ P ₂₉₆ P ₂₉₇ P ₂₉₈ P ₂₉₉ P ₃₀₀ P ₃₀₁ P ₃₀₂ P ₃₀₃ P ₃₀₄ P ₃₀₅ P ₃₀₆ P ₃₀₇ P ₃₀₈ P ₃₀₉ P ₃₁₀ P ₃₁₁ P ₃₁₂ P ₃₁₃ P ₃₁₄ P ₃₁₅ P ₃₁₆ P ₃₁₇ P ₃₁₈ P ₃₁₉ P ₃₂₀ P ₃₂₁ P ₃₂₂ P ₃₂₃ P ₃₂₄ P ₃₂₅ P ₃₂₆ P ₃₂₇ P ₃₂₈ P ₃₂₉ P ₃₃₀ P ₃₃₁ P ₃₃₂ P ₃₃₃ P ₃₃₄ P ₃₃₅ P ₃₃₆ P ₃₃₇ P ₃₃₈ P ₃₃₉ P ₃₄₀ P ₃₄₁ P ₃₄₂ P ₃₄₃ P ₃₄₄ P ₃₄₅ P ₃₄₆ P ₃₄₇ P ₃₄₈ P ₃₄₉ P ₃₅₀ P ₃₅₁ P ₃₅₂ P ₃₅₃ P ₃₅₄ P ₃₅₅ P ₃₅₆ P ₃₅₇ P ₃₅₈ P ₃₅₉ P ₃₆₀ P ₃₆₁ P ₃₆₂ P ₃₆₃ P ₃₆₄ P ₃₆₅ P ₃₆₆ P ₃₆₇ P ₃₆₈ P ₃₆₉ P ₃₇₀ P ₃₇₁ P ₃₇₂ P ₃₇₃ P ₃₇₄ P ₃₇₅ P ₃₇₆ P ₃₇₇ P ₃₇₈ P ₃₇₉ P ₃₈₀ P ₃₈₁ P ₃₈₂ P ₃₈₃ P ₃₈₄ P ₃₈₅ P ₃₈₆ P ₃₈₇ P ₃₈₈ P ₃₈₉ P ₃₉₀ P ₃₉₁ P ₃₉₂ P ₃₉₃ P ₃₉₄ P ₃₉₅ P ₃₉₆ P ₃₉₇ P ₃₉₈ P ₃₉₉ P ₄₀₀ P ₄₀₁ P ₄₀₂ P ₄₀₃ P ₄₀₄ P ₄₀₅ P ₄₀₆ P ₄₀₇ P ₄₀₈ P ₄₀₉ P ₄₁₀ P ₄₁₁ P ₄₁₂ P ₄₁₃ P ₄₁₄ P ₄₁₅ P ₄₁₆ P ₄₁₇ P ₄₁₈ P ₄₁₉ P ₄₂₀ P ₄₂₁ P ₄₂₂ P ₄₂₃ P ₄₂₄ P ₄₂₅ P ₄₂₆ P ₄₂₇ P ₄₂₈ P ₄₂₉ P ₄₃₀ P ₄₃₁ P ₄₃₂ P ₄₃₃ P ₄₃₄ P ₄₃₅ P ₄₃₆ P ₄₃₇ P ₄₃₈ P ₄₃₉ P ₄₄₀ P ₄₄₁ P ₄₄₂ P ₄₄₃ P ₄₄₄ P ₄₄₅ P ₄₄₆ P ₄₄₇ P ₄₄₈ P ₄₄₉ P ₄₅₀ P ₄₅₁ P ₄₅₂ P ₄₅₃ P ₄₅₄ P ₄₅₅ P ₄₅₆ P ₄₅₇ P ₄₅₈ P ₄₅₉ P ₄₆₀ P ₄₆₁ P ₄₆₂ P ₄₆₃ P ₄₆₄ P ₄₆₅ P ₄₆₆ P ₄₆₇ P ₄₆₈ P ₄₆₉ P ₄₇₀ P ₄₇₁ P ₄₇₂ P ₄₇₃ P ₄₇₄ P ₄₇₅ P ₄₇₆ P ₄₇₇ P ₄₇₈ P ₄₇₉ P ₄₈₀ P ₄₈₁ P ₄₈₂ P ₄₈₃ P ₄₈₄ P ₄₈₅ P ₄₈₆ P ₄₈₇ P ₄₈₈ P ₄₈₉ P ₄₉₀ P ₄₉₁ P ₄₉₂ P ₄₉₃ P ₄₉₄ P ₄₉₅ P ₄₉₆ P ₄₉₇ P ₄₉₈ P ₄₉₉ P ₅₀₀ P ₅₀₁ P ₅₀₂ P ₅₀₃ P ₅₀₄ P ₅₀₅ P ₅₀₆ P ₅₀₇ P ₅₀₈ P ₅₀₉ P ₅₁₀ P ₅₁₁ P ₅₁₂ P ₅₁₃ P ₅₁₄ P ₅₁₅ P ₅₁₆ P ₅₁₇ P ₅₁₈ P ₅₁₉ P ₅₂₀ P ₅₂₁ P ₅₂₂ P ₅₂₃ P ₅₂₄ P ₅₂₅ P ₅₂₆ P ₅₂₇ P ₅₂₈ P ₅₂₉ P ₅₃₀ P ₅₃₁ P ₅₃₂ P ₅₃₃ P ₅₃₄ P ₅₃₅ P ₅₃₆ P ₅₃₇ P ₅₃₈ P ₅₃₉ P ₅₄₀ P ₅₄₁ P ₅₄₂ P ₅₄₃ P ₅₄₄ P ₅₄₅ P ₅₄₆ P ₅₄₇ P ₅₄₈ P ₅₄₉ P ₅₅₀ P ₅₅₁ P ₅₅₂ P ₅₅₃ P ₅₅₄ P ₅₅₅ P ₅₅₆ P ₅₅₇ P ₅₅₈ P ₅₅₉ P ₅₆₀ P ₅₆₁ P ₅₆₂ P ₅₆₃ P ₅₆₄ P ₅₆₅ P ₅₆₆ P ₅₆₇ P ₅₆₈ P ₅₆₉ P ₅₇₀ P ₅₇₁ P ₅₇₂ P ₅₇₃ P ₅₇₄ P ₅₇₅ P ₅₇₆ P ₅₇₇ P ₅₇₈ P ₅₇₉ P ₅₈₀ P ₅₈₁ P ₅₈₂ P ₅₈₃ P ₅₈₄ P ₅₈₅ P ₅₈₆ P ₅₈₇ P ₅₈₈ P ₅₈₉ P ₅₉₀ P ₅₉₁ P ₅₉₂ P ₅₉₃ P ₅₉₄ P ₅₉₅ P ₅₉₆ P ₅₉₇ P ₅₉₈ P ₅₉₉ P ₆₀₀ P ₆₀₁ P ₆₀₂ P ₆₀₃ P ₆₀₄ P ₆₀₅ P ₆₀₆ P ₆₀₇ P ₆₀₈ P ₆₀₉ P ₆₁₀ P ₆₁₁ P ₆₁₂ P ₆₁₃ P ₆₁₄ P ₆₁₅ P ₆₁₆ P ₆₁₇ P ₆₁₈ P ₆₁₉ P ₆₂₀ P ₆₂₁ P ₆₂₂ P ₆₂₃ P ₆₂₄ P ₆₂₅ P ₆₂₆ P ₆₂₇ P ₆₂₈ P ₆₂₉ P ₆₃₀ P ₆₃₁ P ₆₃₂ P ₆₃₃ P ₆₃₄ P ₆₃₅ P ₆₃₆ P ₆₃₇ P ₆₃₈ P ₆₃₉ P ₆₄₀ P ₆₄₁ P ₆₄₂ P ₆₄₃ P ₆₄₄ P ₆₄₅ P ₆₄₆ P ₆₄₇ P ₆₄₈ P ₆₄₉ P ₆₅₀ P ₆₅₁ P ₆₅₂ P ₆₅₃ P ₆₅₄ P ₆₅₅ P ₆₅₆ P ₆₅₇ P ₆₅₈ P ₆₅₉ P ₆₆₀ P ₆₆₁ P ₆₆₂ P ₆₆₃ P ₆₆₄ P ₆₆₅ P ₆₆₆ P ₆₆₇ P ₆₆₈ P ₆₆₉ P ₆₇₀ P ₆₇₁ P ₆₇₂ P ₆₇₃ P ₆₇₄ P ₆₇₅ P ₆₇₆ P ₆₇₇ P ₆₇₈ P ₆₇₉ P ₆₈₀ P ₆₈₁ P ₆₈₂ P ₆₈₃ P ₆₈₄ P ₆₈₅ P ₆₈₆ P ₆₈₇ P ₆₈₈ P ₆₈₉ P ₆₉₀ P ₆₉₁ P ₆₉₂ P ₆₉₃ P ₆₉₄ P ₆₉₅ P ₆₉₆ P ₆₉₇ P ₆₉₈ P ₆₉₉ P ₇₀₀ P ₇₀₁ P ₇₀₂ P ₇₀₃ P ₇₀₄ P ₇₀₅ P ₇₀₆ P ₇₀₇ P ₇₀₈ P ₇₀₉ P ₇₁₀ P ₇₁₁ P ₇₁₂ P ₇₁₃ P ₇₁₄ P ₇₁₅ P ₇₁₆ P ₇₁₇ P ₇₁₈ P ₇₁₉ P ₇₂₀ P ₇₂₁ P ₇₂₂ P ₇₂₃ P ₇₂₄ P ₇₂₅ P ₇₂₆ P ₇₂₇ P ₇₂₈ P ₇₂₉ P ₇₃₀ P ₇₃₁ P ₇₃₂ P ₇₃₃ P ₇₃₄ P ₇₃₅ P ₇₃₆ P ₇₃₇ P ₇₃₈ P ₇₃₉ P ₇₄₀ P ₇₄₁ P ₇₄₂ P ₇₄₃ P ₇₄₄ P ₇₄₅ P ₇₄₆ P ₇₄₇ P ₇₄₈ P ₇₄₉ P ₇₅₀ P ₇₅₁ P ₇₅₂ P ₇₅₃ P ₇₅₄ P ₇₅₅ P ₇₅₆ P ₇₅₇ P ₇₅₈ P ₇₅₉ P ₇₆₀ P ₇₆₁ P ₇₆₂ P ₇₆₃ P ₇₆₄ P ₇₆₅ P ₇₆₆ P ₇₆₇ P ₇₆₈ P ₇₆₉ P ₇₇₀ P ₇₇₁ P ₇₇₂ P ₇₇₃ P ₇₇₄ P ₇₇₅ P ₇₇₆ P ₇₇₇ P ₇₇₈ P ₇₇₉ P ₇₈₀ P ₇₈₁ P ₇₈₂ P ₇₈₃ P ₇₈₄ P ₇₈₅ P ₇₈₆ P ₇₈₇ P ₇₈₈ P ₇₈₉ P ₇₉₀ P ₇₉₁ P ₇₉₂ P ₇₉₃ P ₇₉₄ P ₇₉₅ P ₇₉₆ P ₇₉₇ P ₇₉₈ P ₇₉₉ P ₈₀₀ P ₈₀₁ P ₈₀₂ P ₈₀₃ P ₈₀₄ P ₈₀₅ P ₈₀₆ P ₈₀₇ P ₈₀₈ P ₈₀₉ P ₈₁₀ P ₈₁₁ P ₈₁₂ P ₈₁₃ P ₈₁₄ P ₈₁₅ P ₈₁₆ P ₈₁₇ P ₈₁₈ P ₈₁₉ P ₈₂₀ P ₈₂₁ P ₈₂₂ P ₈₂₃ P ₈₂₄ P ₈₂₅ P ₈₂₆ P ₈₂₇ P ₈₂₈ P ₈₂₉ P ₈₃₀ P ₈₃₁ P ₈₃₂ P ₈₃₃ P ₈₃₄ P ₈₃₅ P ₈₃₆ P ₈₃₇ P ₈₃₈ P ₈₃₉ P ₈₄₀ P ₈₄₁ P ₈₄₂ P ₈₄₃ P ₈₄₄ P ₈₄₅ P ₈₄₆ P ₈₄₇ P ₈₄₈ P ₈₄₉ P ₈₅₀ P ₈₅₁ P ₈₅₂ P ₈₅₃ P ₈₅₄ P ₈₅₅ P ₈₅₆ P ₈₅₇ P ₈₅₈ P ₈₅₉ P ₈₆₀ P ₈₆₁ P ₈₆₂ P ₈₆₃ P ₈₆₄ P ₈₆₅ P ₈₆₆ P ₈₆₇ P ₈₆₈ P ₈₆₉ P ₈₇₀ P ₈₇₁ P ₈₇₂ P ₈₇₃ P ₈₇₄ P ₈₇₅ P ₈₇₆ P _{877</}		

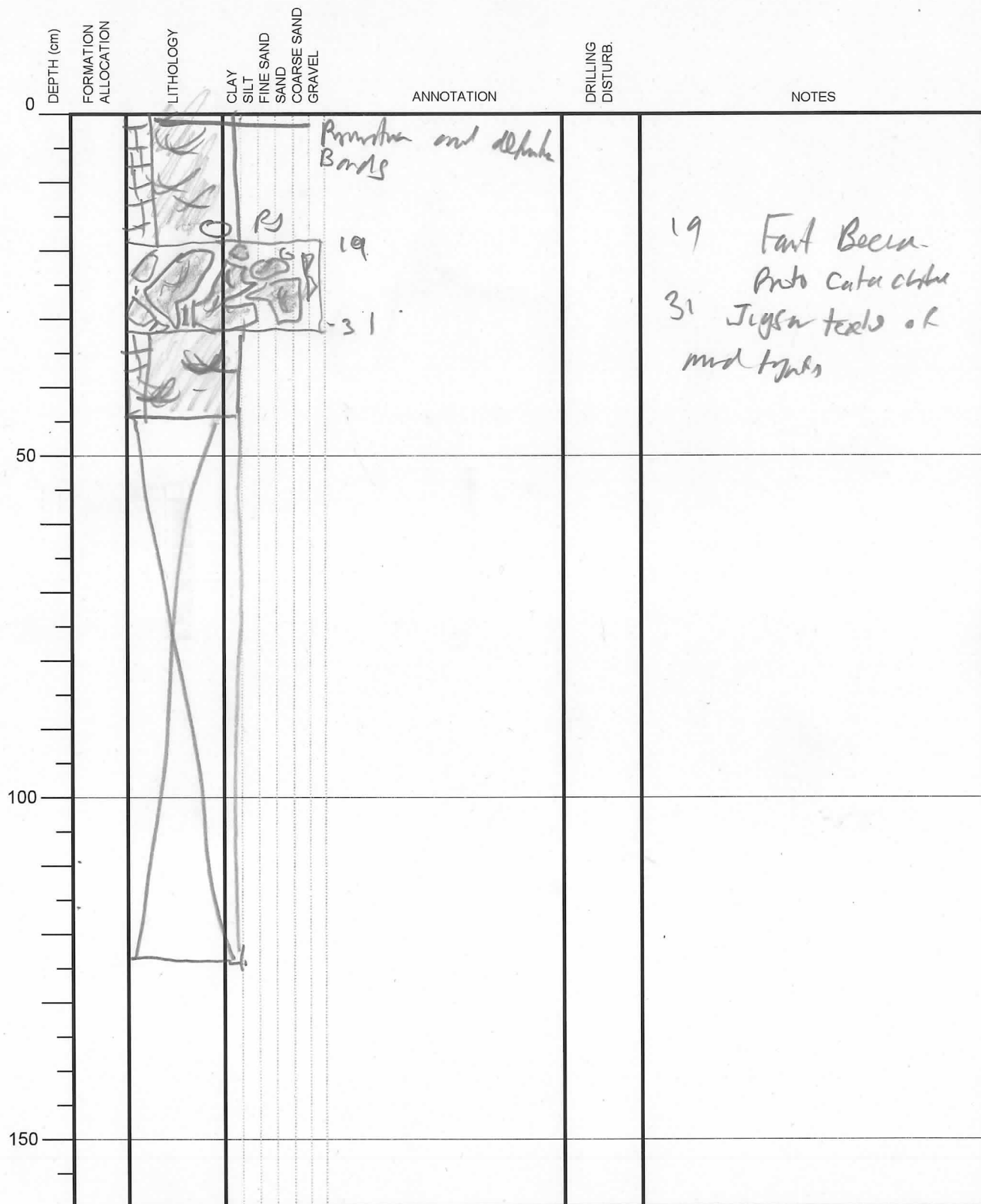
International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 36R
SECTION: 4
TOP DEPTH (m CSF): 562.9

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 2/10/2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

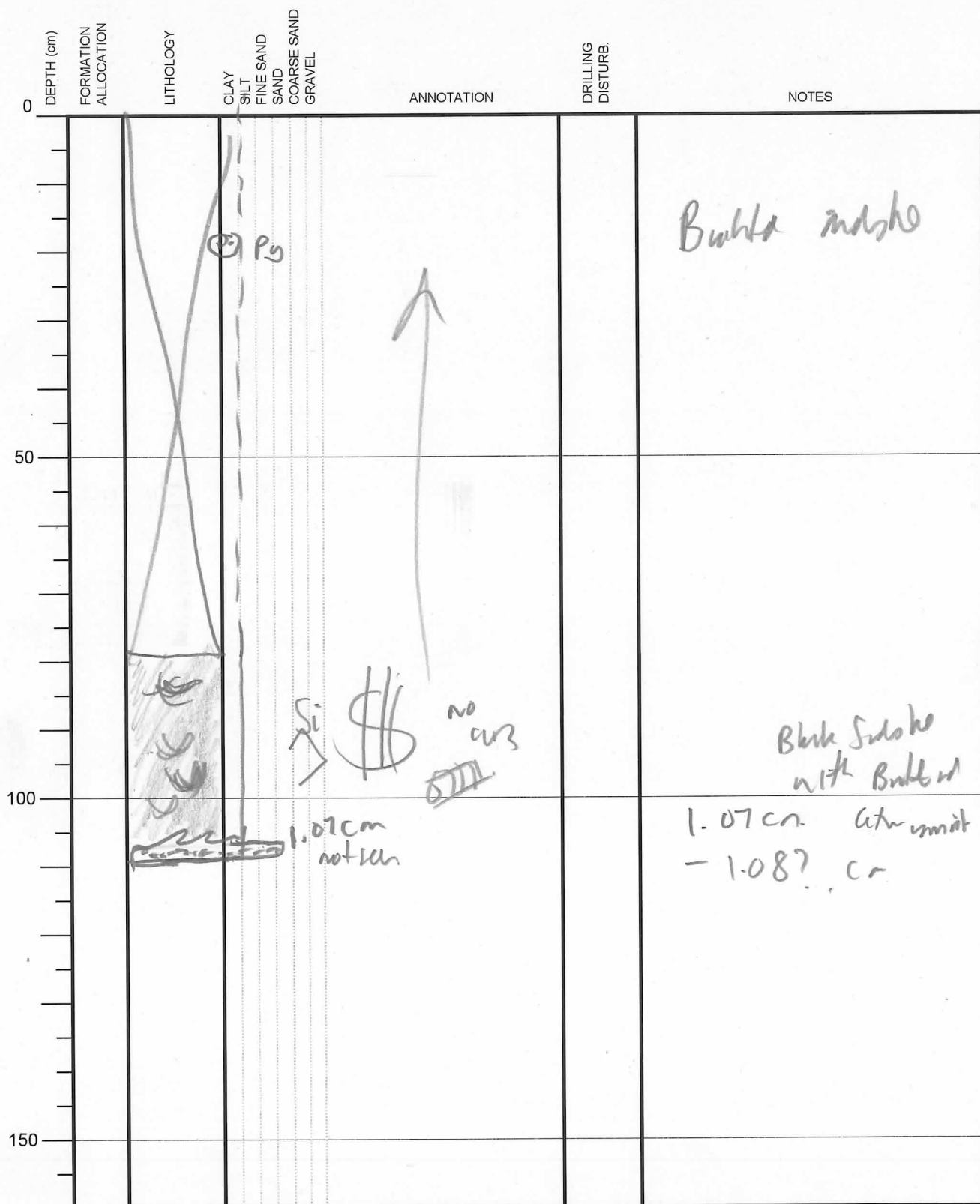
Visual Core Description

NO.

DATE: 1 / 10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 362
SECTION: 7
TOP DEPTH (m CSF): 589.1

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 1 / 10 / 2016
LOGGED FROM X-CT: YES/NO



NO.

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

L

International Ocean Discovery Program

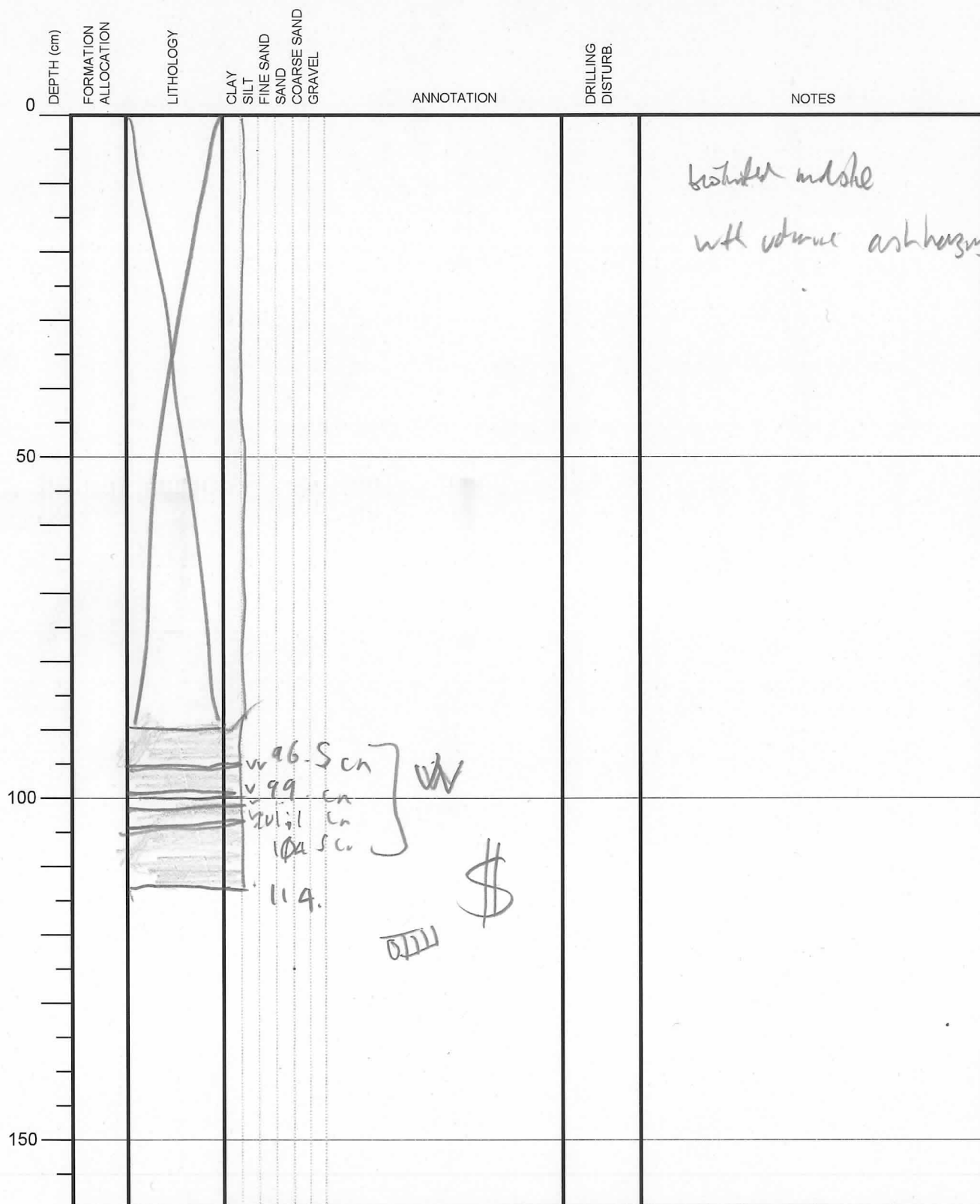
Visual Core Description

NO.

DATE: 1 / 10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 37R
SECTION: 3
TOP DEPTH (m CSF): 513

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 1 / 10 / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 37R

SECTION: 4

TOP DEPTH (m CSF):

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 1/10/2016

LOGGED FROM X-CT: YES / NO

00

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
4				Zostera 1/2 \$ CaCO ₃		Calanus - bubble mb. not 1
50						
6				\$ CaCO ₃		bubble note geen on more
100				\$ CaCO ₃		
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/14/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 370R

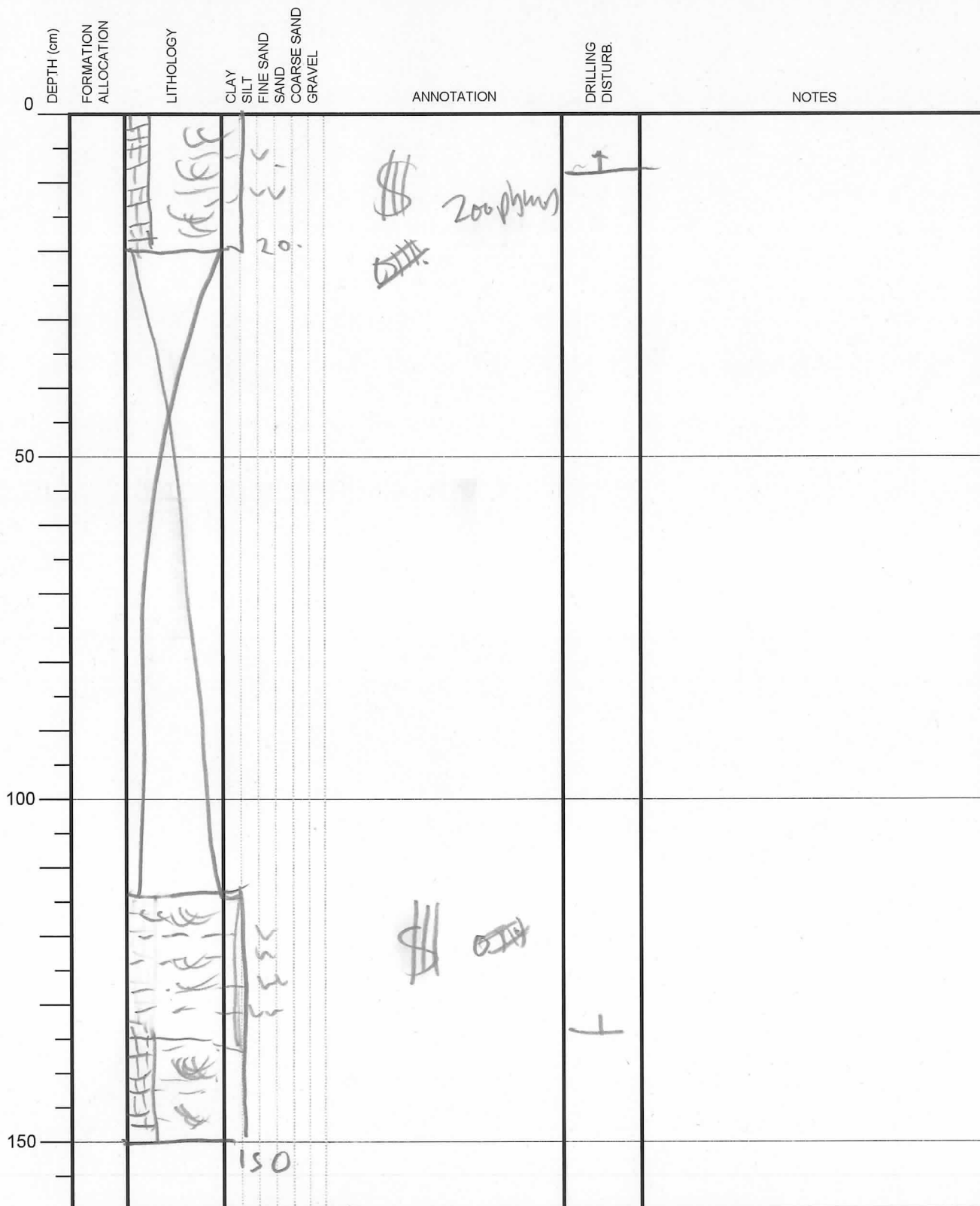
SECTION: 5

TOP DEPTH (m CSF): 594.

OBSERVER: SAR

ENTERED INTO J-CORES (DATE): 1/14/2016

LOGGED FROM X-CT: YES/NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 1 / 10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 38R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 2 / 19 / 2016
LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
7						
21						
46						
48						
54						
60						
64						
66						
68						
77						
96						
100						
150						

column
Brookfield mud has

with sand column
ash

column mst
64 to 68 Ca
66 to 78 Cr

dark column
SAB

International Ocean Discovery Program

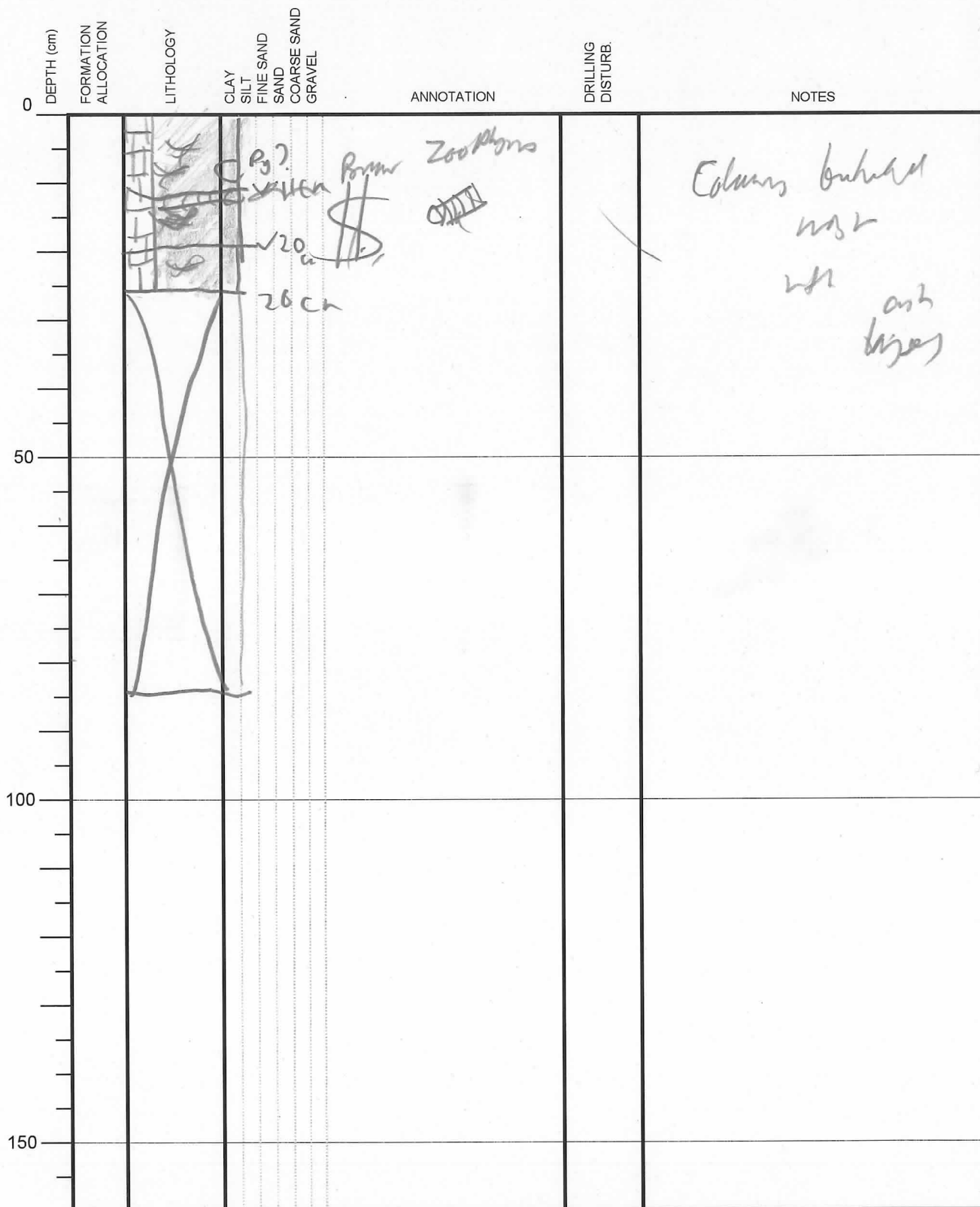
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 38R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 38R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
5						Calcareous mud rock
25		<<<<<<				#5
29		<<<<<				
39		<<<<<<		34 py (1cm) burrow heavily biot		
44		>>>>>				
50		<<<<<		50 burrow (horizontal)		
52		>>>>>				
56		<<<<<				
97						
100		py		99 py nodule (2cm)		
108						
123						
137		>>>>>>				
139		>>>>>>				
143.5 cm						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

38R

SECTION:

6

TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Calcareous mudrock Heavily bioturbated Some intervals of green, silty sandclay. But disturbed by burrowing
50						
74.5cm						
100						
150						

International Ocean Discovery Program

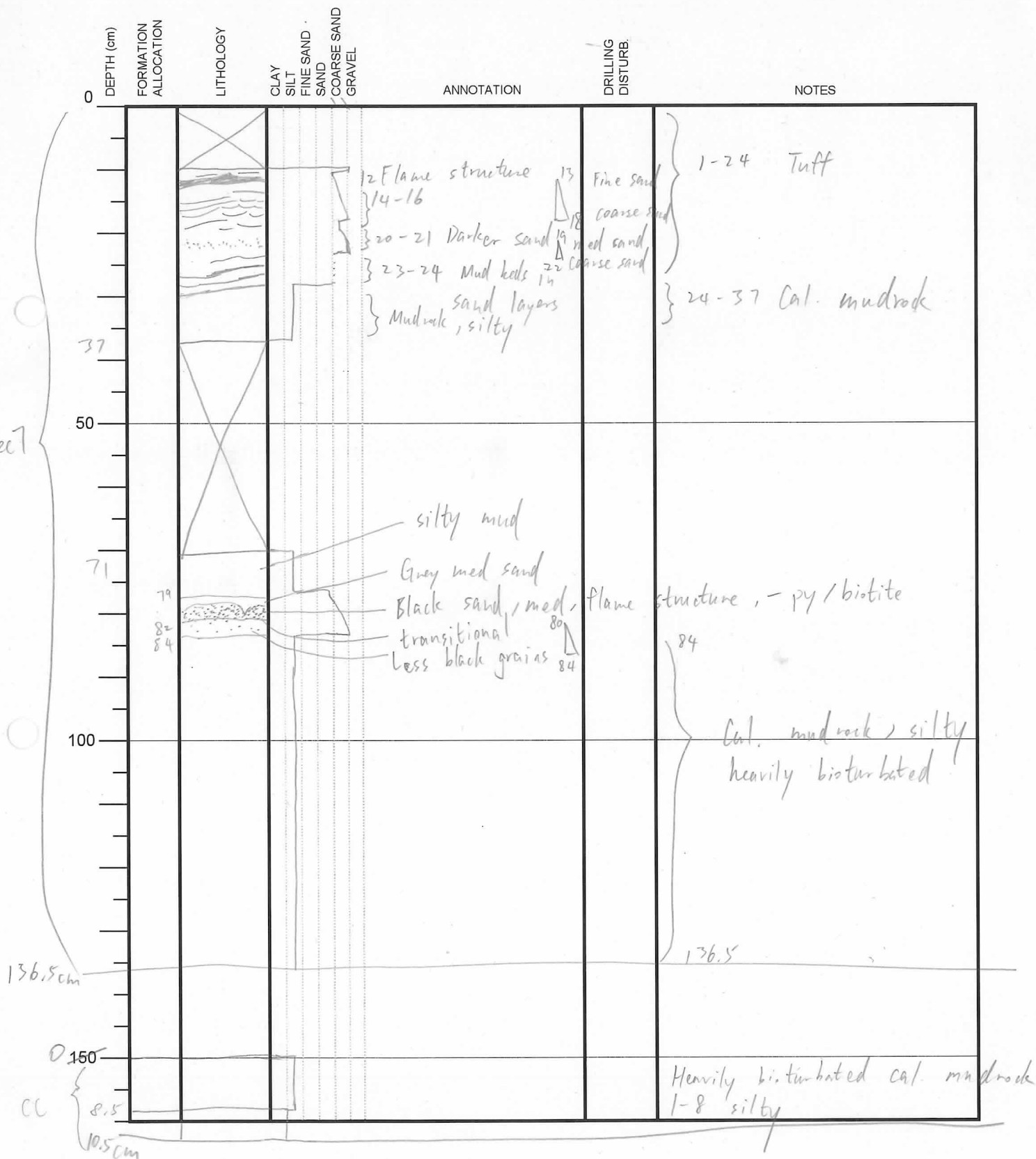
Visual Core Description

NO.

DATE: 2/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 38R
SECTION: 7+CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

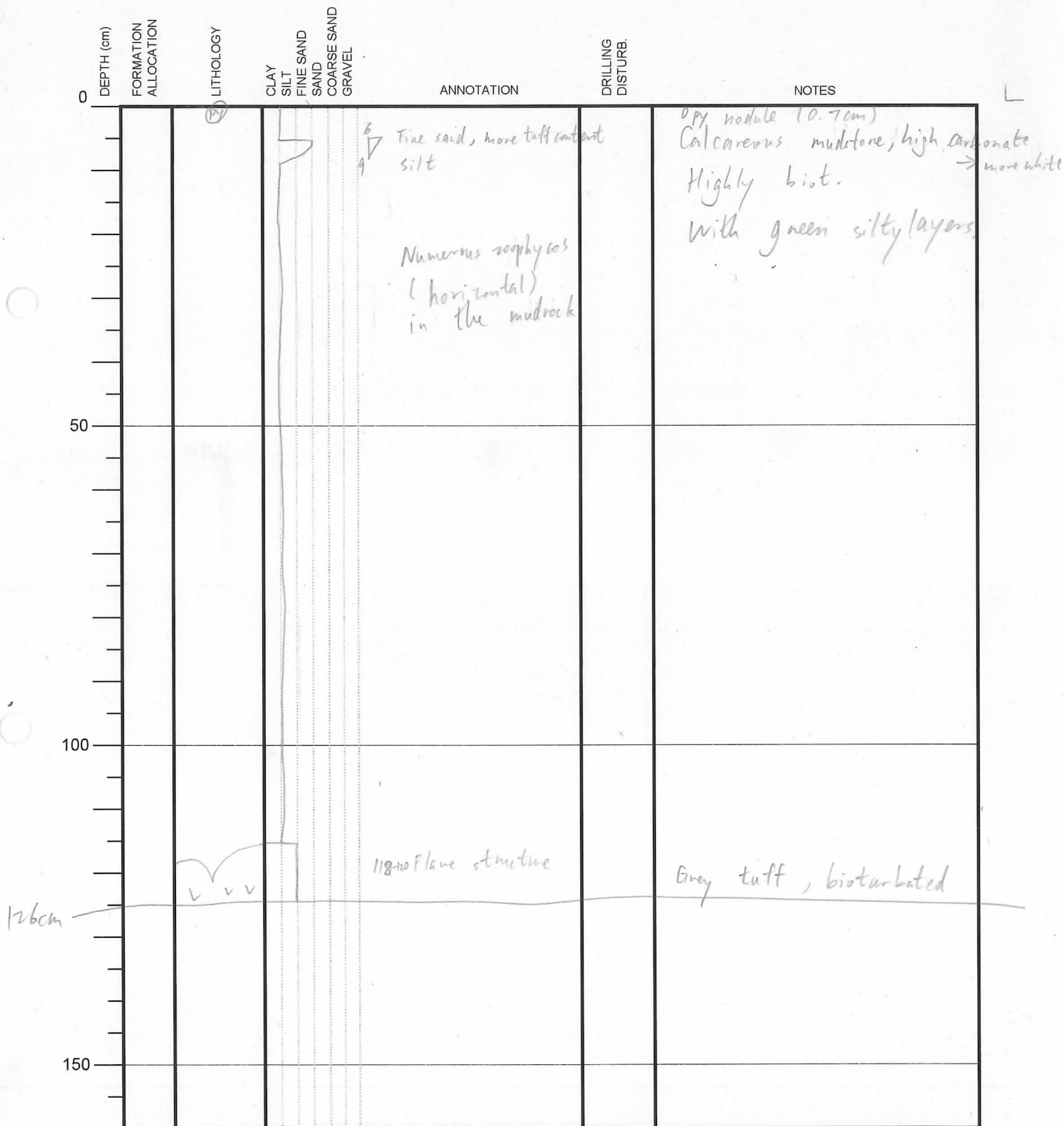
Visual Core Description

NO.

DATE: 2/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 39R
SECTION: 1
TOP DEPTH (m CSF): 611.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 2/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

39R

SECTION:

2

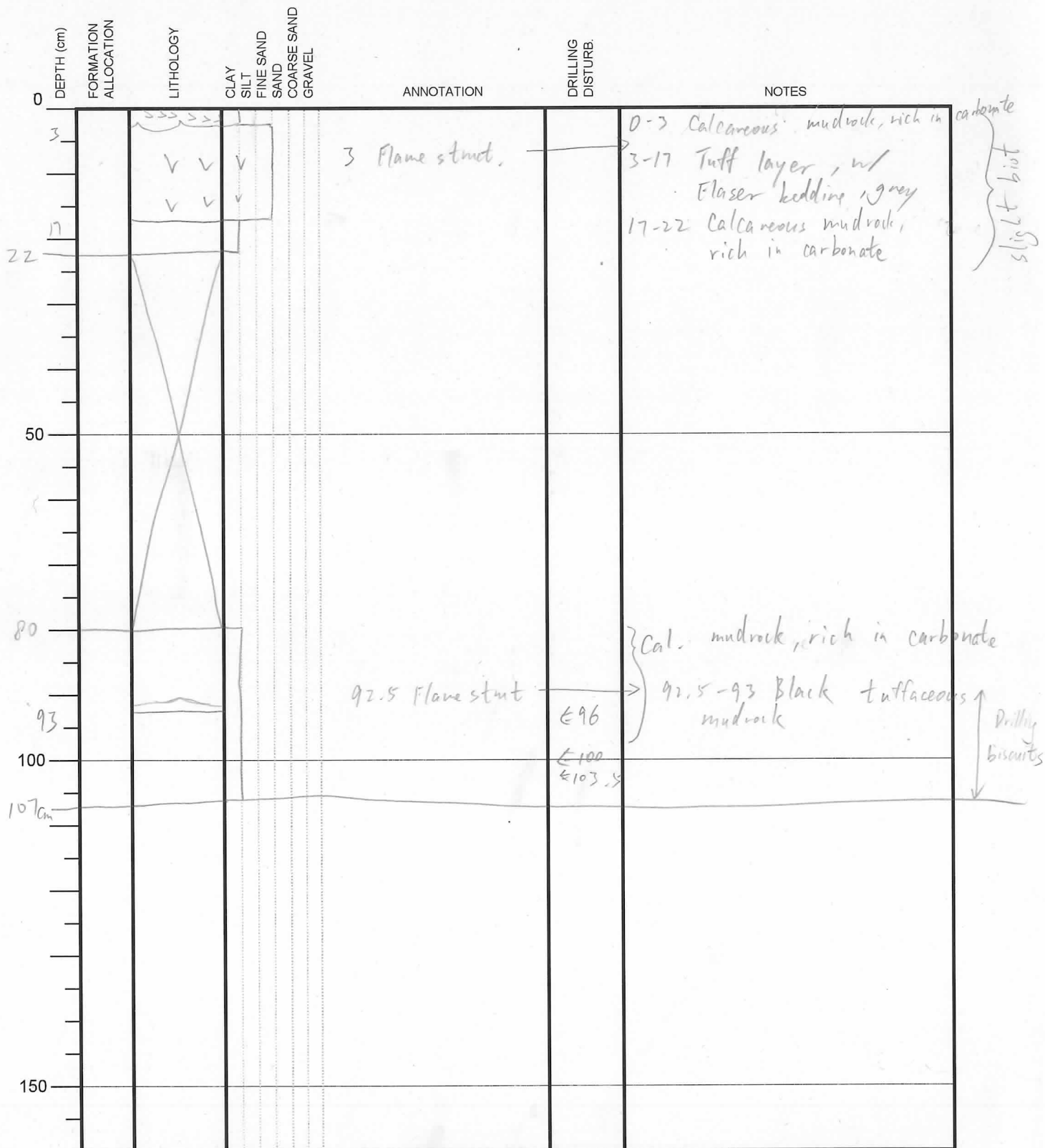
TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 21/01/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 39R

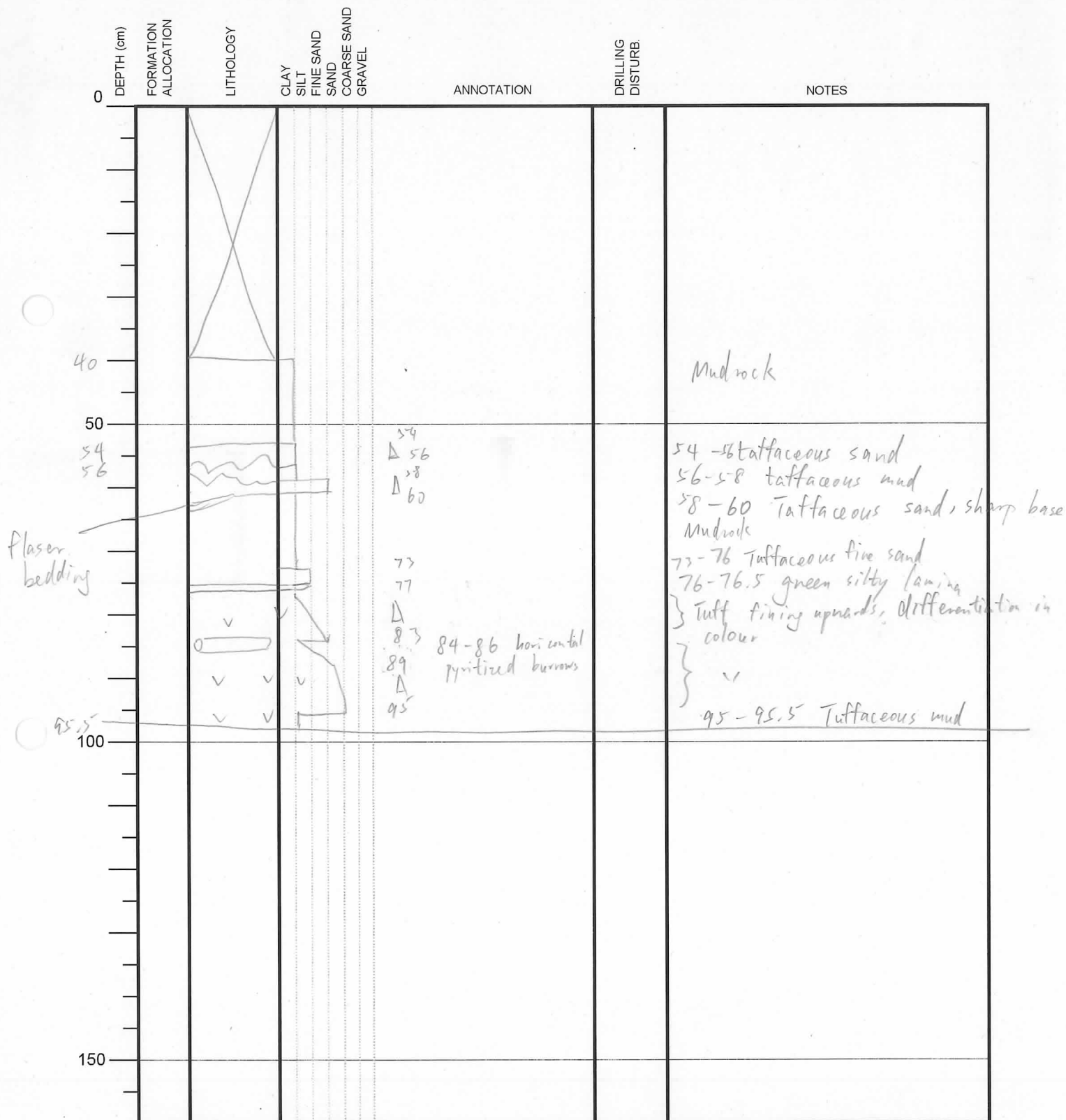
SECTION: 3

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



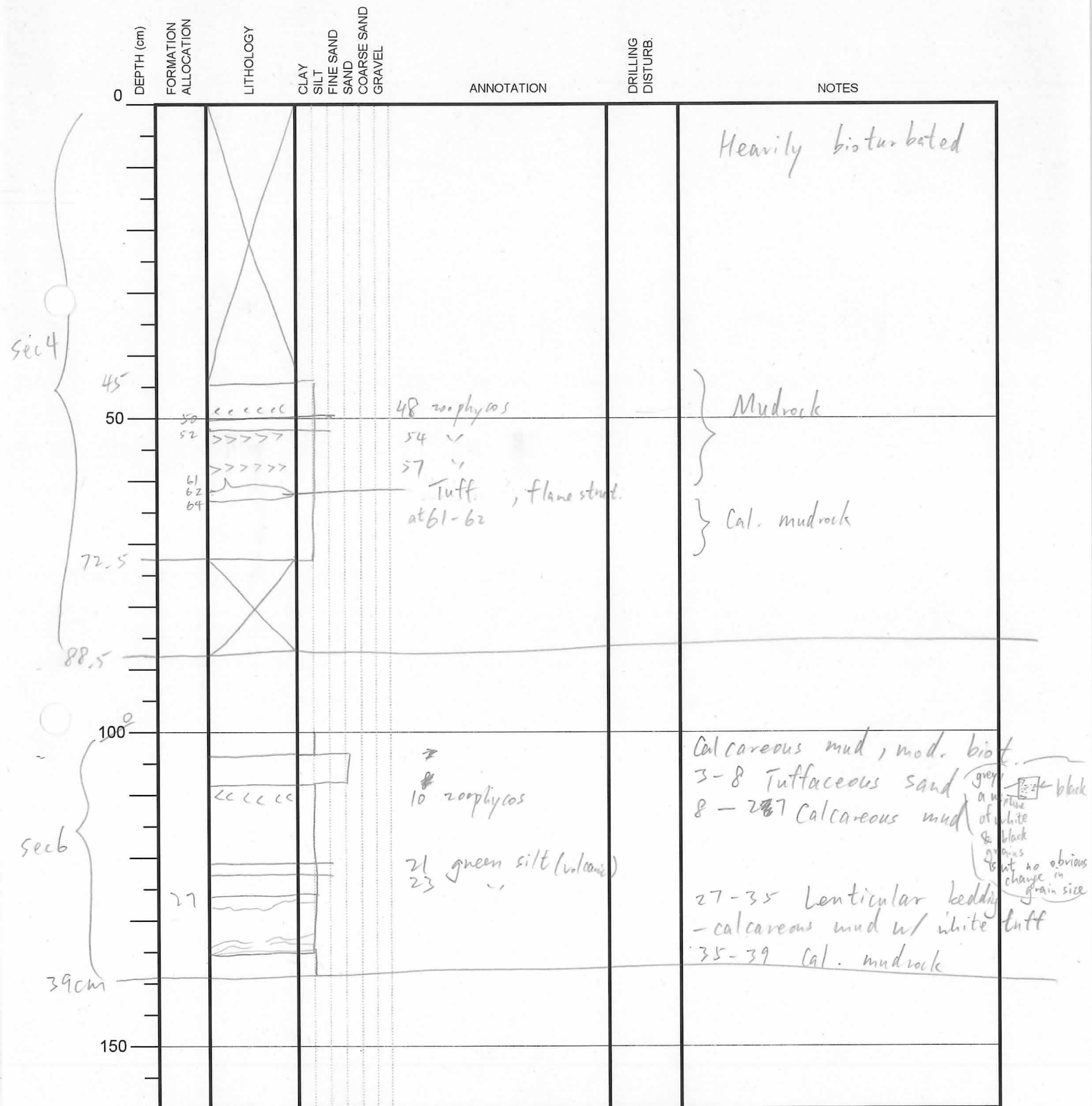
International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 398
SECTION: 4 + 6
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 41R

SECTION: 1

TOP DEPTH (m CSF): 630

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				\$ 46cm 48cm 50cm hite Dark fine MS CaO3 gln		Billed mudsh. or/bm ash. lye (green) at 30cm. 48cm to ash lye 67cm
100				Sur ne 147cm	Int	
150						

NO.

OBSERVER: **SAB**
ENTERED INTO J-CORES (DATE): **2 / 10 / 2016**
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

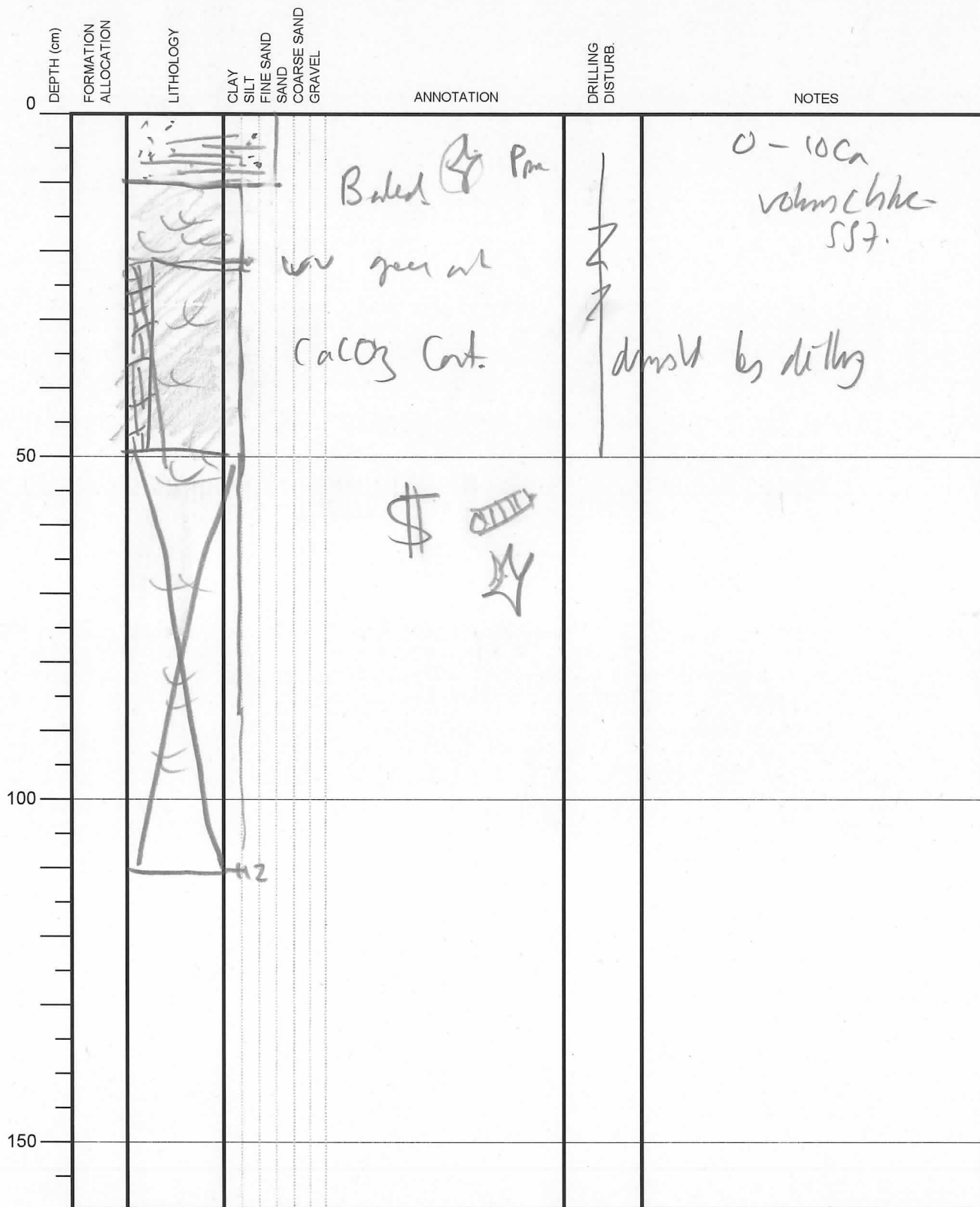
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 41
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 2/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 41R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: SAR
ENTERED INTO J-CORES (DATE): 2/10/2016
LOGGED FROM X-CT YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				vv 2S		Build washed
				CaCO ₃		
50				\$		
100						
130				131		
				135		
140				⊙ Pure Chh		
150						

International Ocean Discovery Program

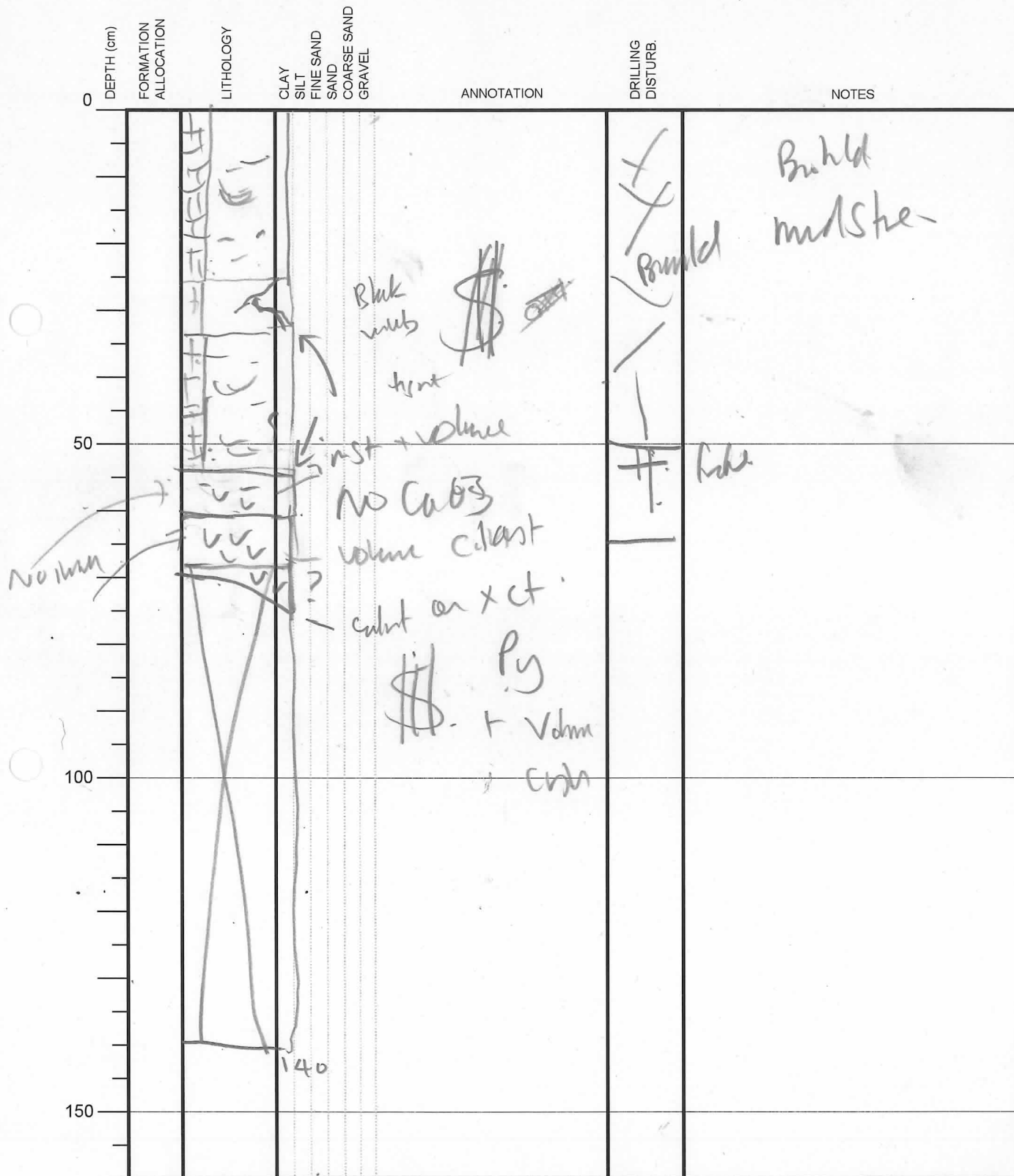
Visual Core Description

NO.

DATE: 2/19/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 41R
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER: SKB
ENTERED INTO J-CORES (DATE): 2/10/2016
LOGGED FROM X-CT: YES/NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 41R
SECTION: 7.
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 2/14/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
100						
150						

International Ocean Discovery Program

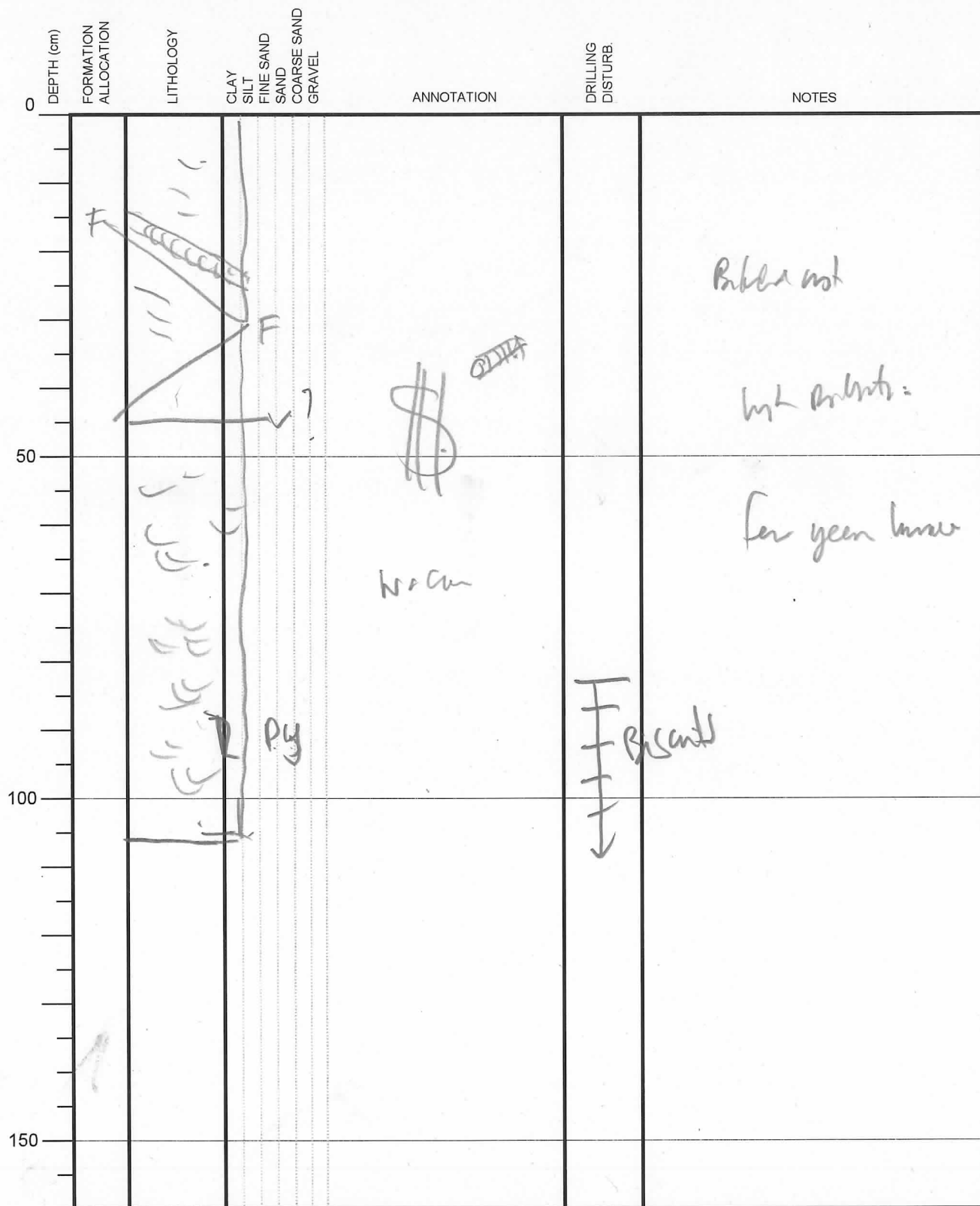
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 412
SECTION: 8
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 41R.
SECTION: 9 + CC.
TOP DEPTH (m CSF): 640.

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

43.

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Relatively well sorted CHH Pg		Broken and unconsolidated
100				CHH Pg		Broken and
150						

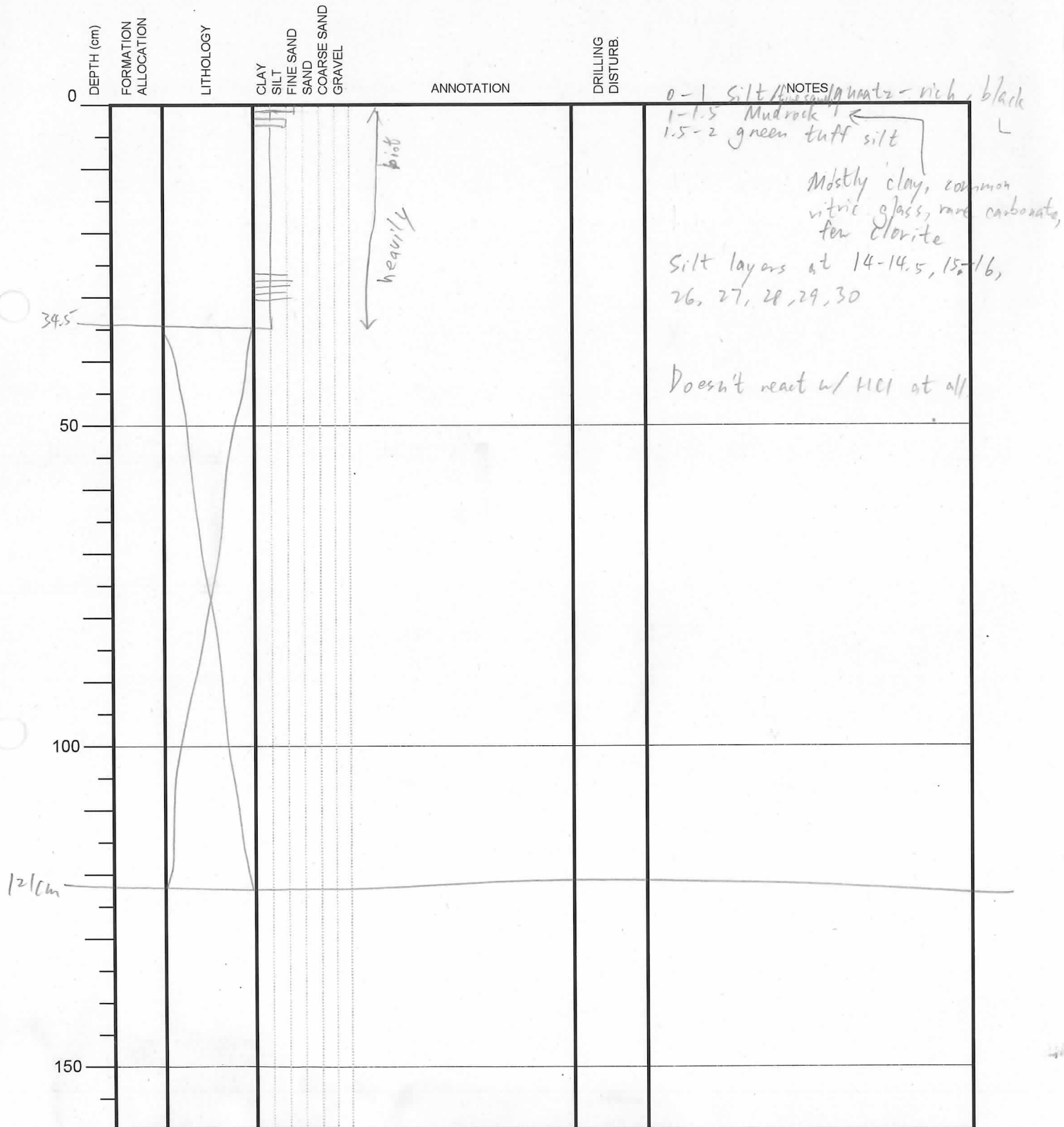
International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 40R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: M'
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 2 / 10 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 40R

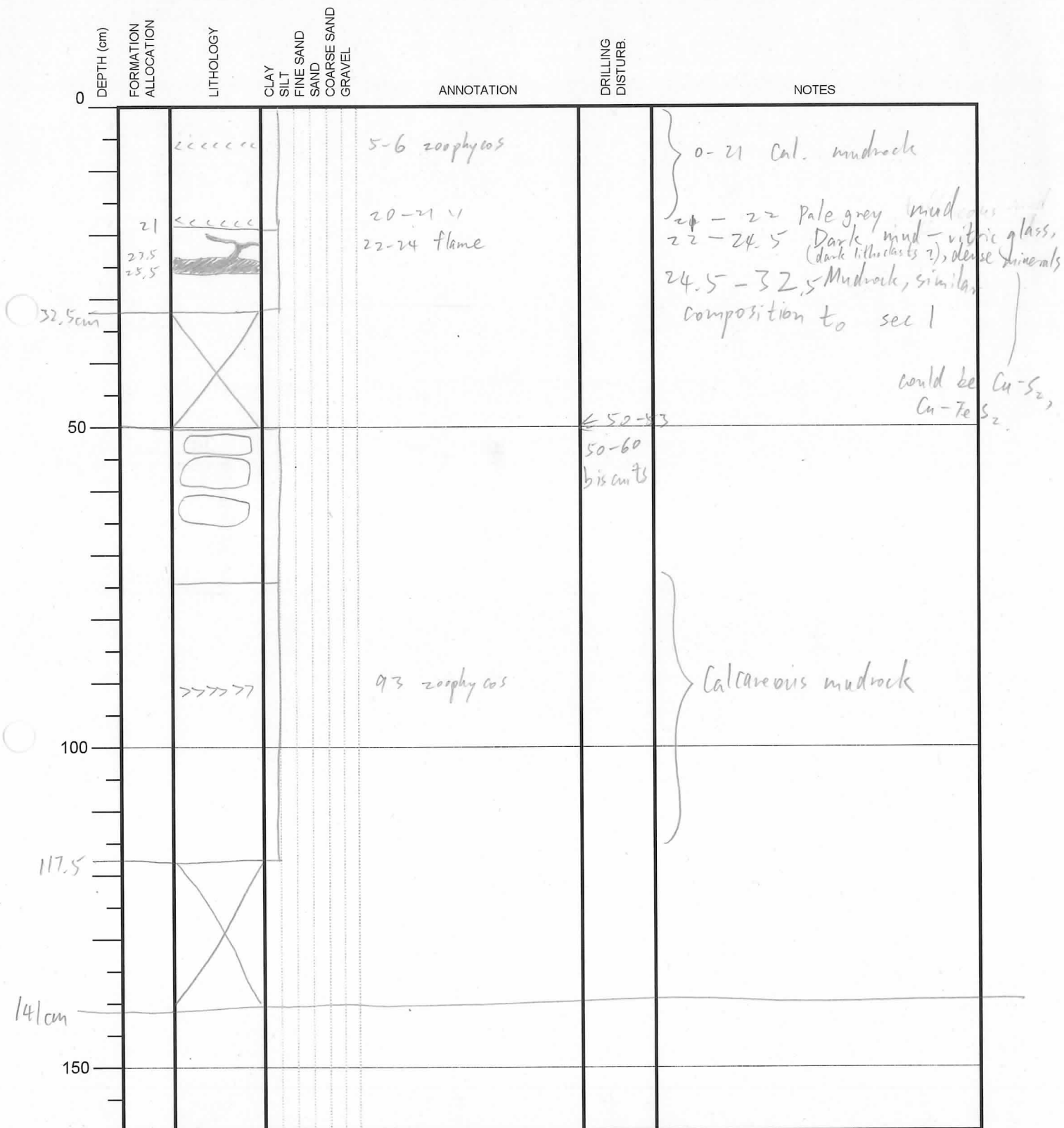
SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



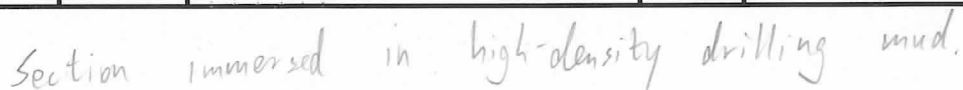
The sec is immersed in high-density drilling mud.

NO.

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



NO.

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

NO.

OBSERVER: *SAB*
ENTERED INTO J-CORES (DATE): *2 10* / / 2016
LOGGED FROM X-CT: *YES* / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 40R
SECTION: 8
TOP DEPTH (m CSF): 627.

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 2/19/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
15				White white ashy ash Pine volcanic ash		6-15 gpm fine shales at base Dark ash rich ashy Pine of black gm
50				Pine ash		0-6 cm volcanic not covered by of mud and ash ash bed.
78				Pine ash black clots		6-11 cm. soft with compacted core for black volcanic ash to Pine ash - one bed
83				white soft Pine clots		11 to 16 Black volcanic ash - not a igneous + black gm one - base is white.
88						78 to 85 cm Dark volcanic sandstone with ripples bed.
147						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 40R.
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 2/10 / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
10				uv \$		make into glass
2				13 cm \$		13-34 cm pink
3				24 \$		feldsparic volcanic
3				21 \$		ash
3				34 cm \$		
50				51.5 \$		51-47
				88 cm		volcanic
100				2 \$		brilliant
				10 \$		white at top
				ash \$		gray into red
				brilliant		beaut.
				Prune.		
				+ volcanic		
				grit		
150						

International Ocean Discovery Program

Visual Core Description

NO

DATE: 3/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 42 R

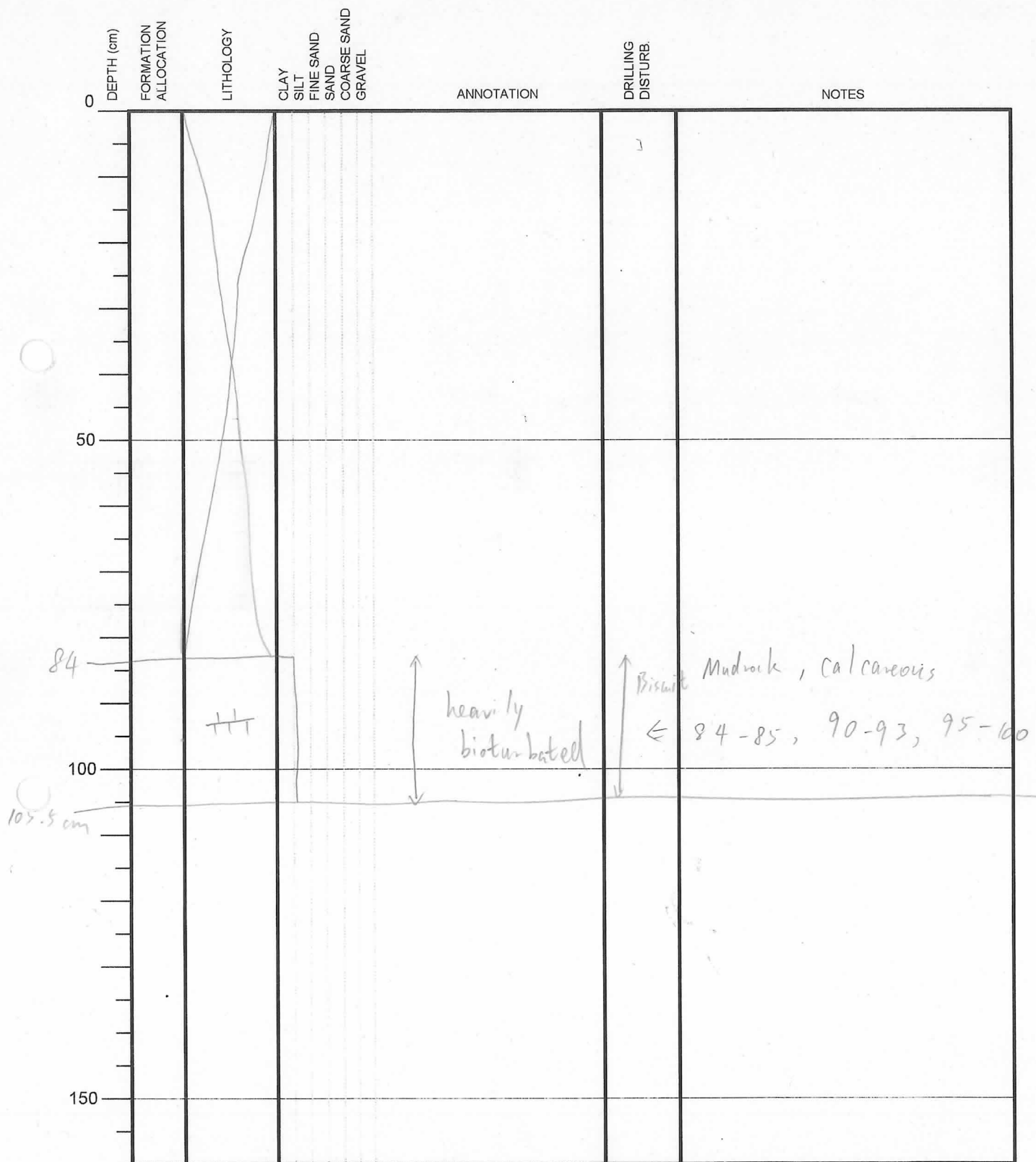
SECTION: 1

TOP DEPTH (m CSF): 640

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 42R

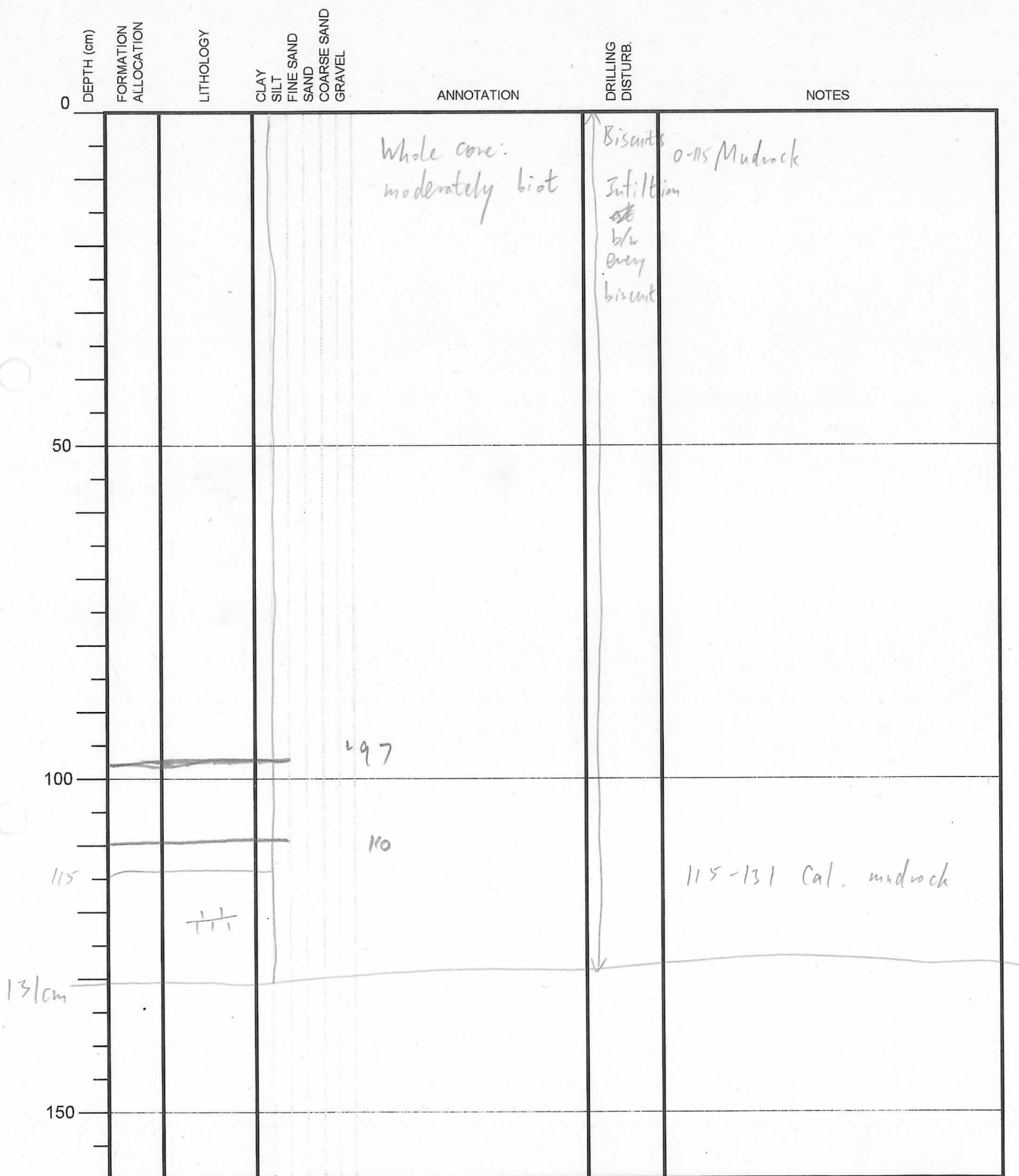
SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE:

SECTION:

TOP DEPTH (m CSF):

42R
3

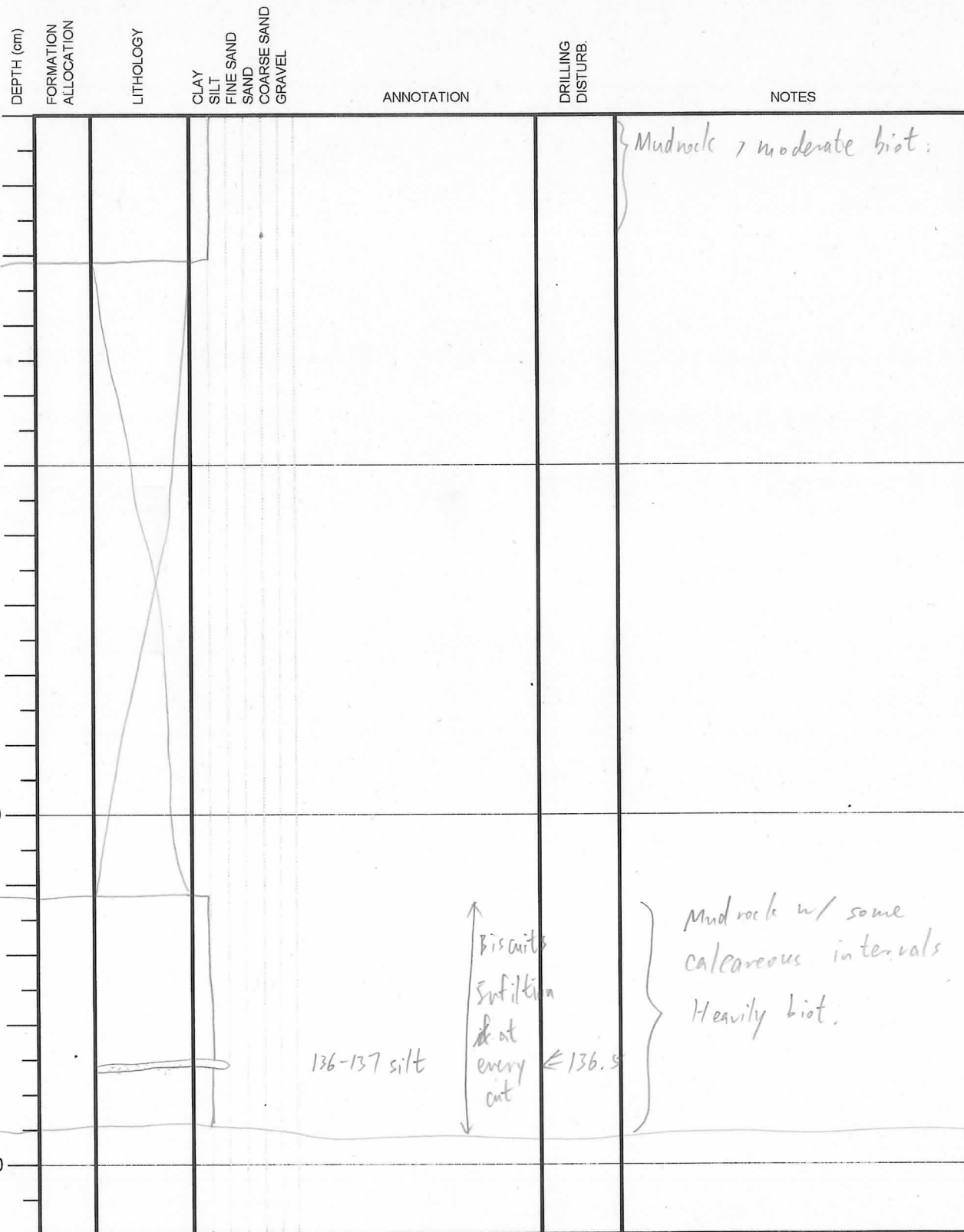
OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

MY

A



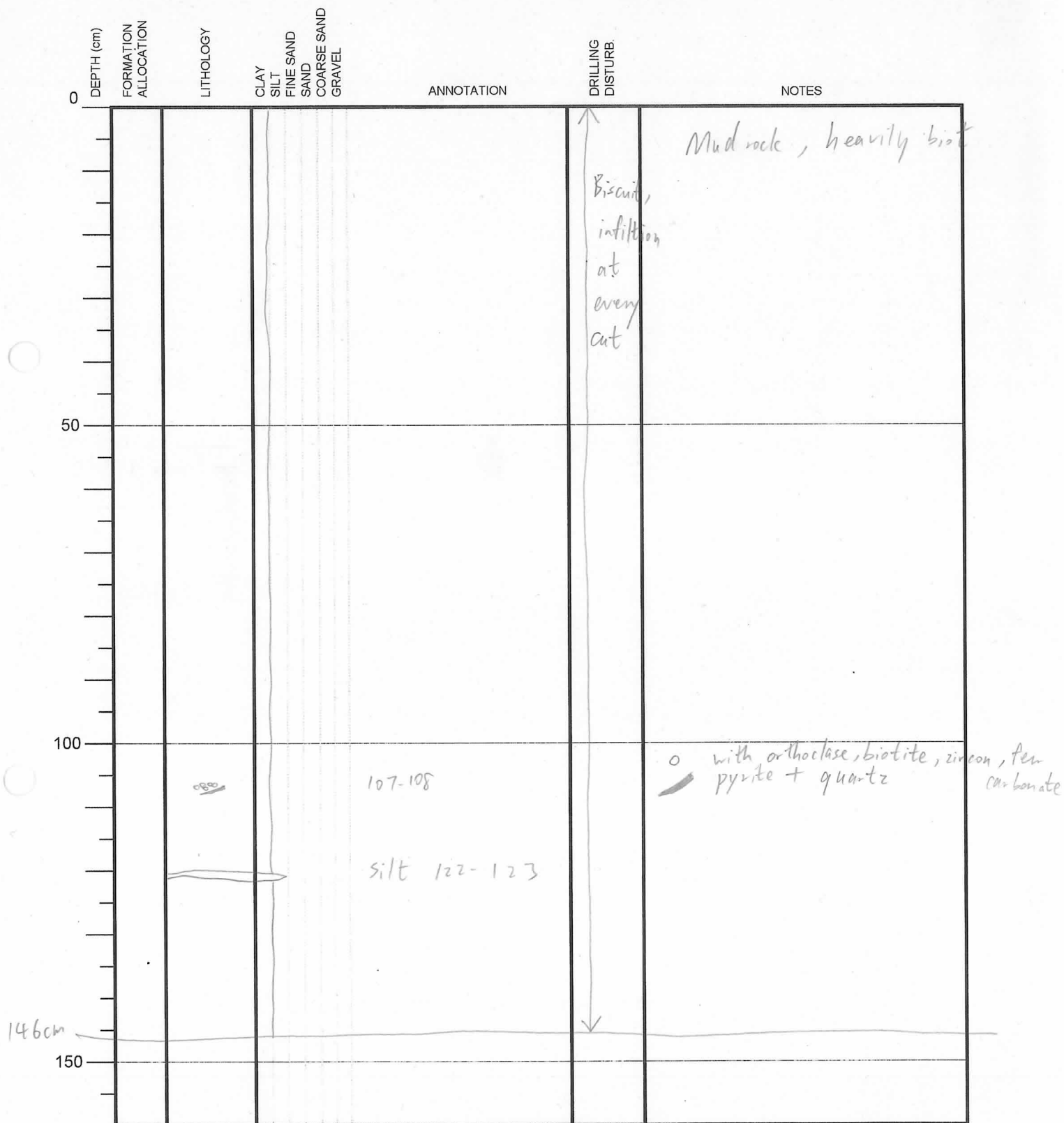
International Ocean Discovery Program Visual Core Description

NO

DATE: 5/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 42R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



NO

OBSERVER: *My*

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 43R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
7						Decreased drilling speed. Less biscuits.
19				? x may be a burrow \$\$		Mudrock. Darker colour than before. Moderately disturbed
50						
100						
118cm						
150						

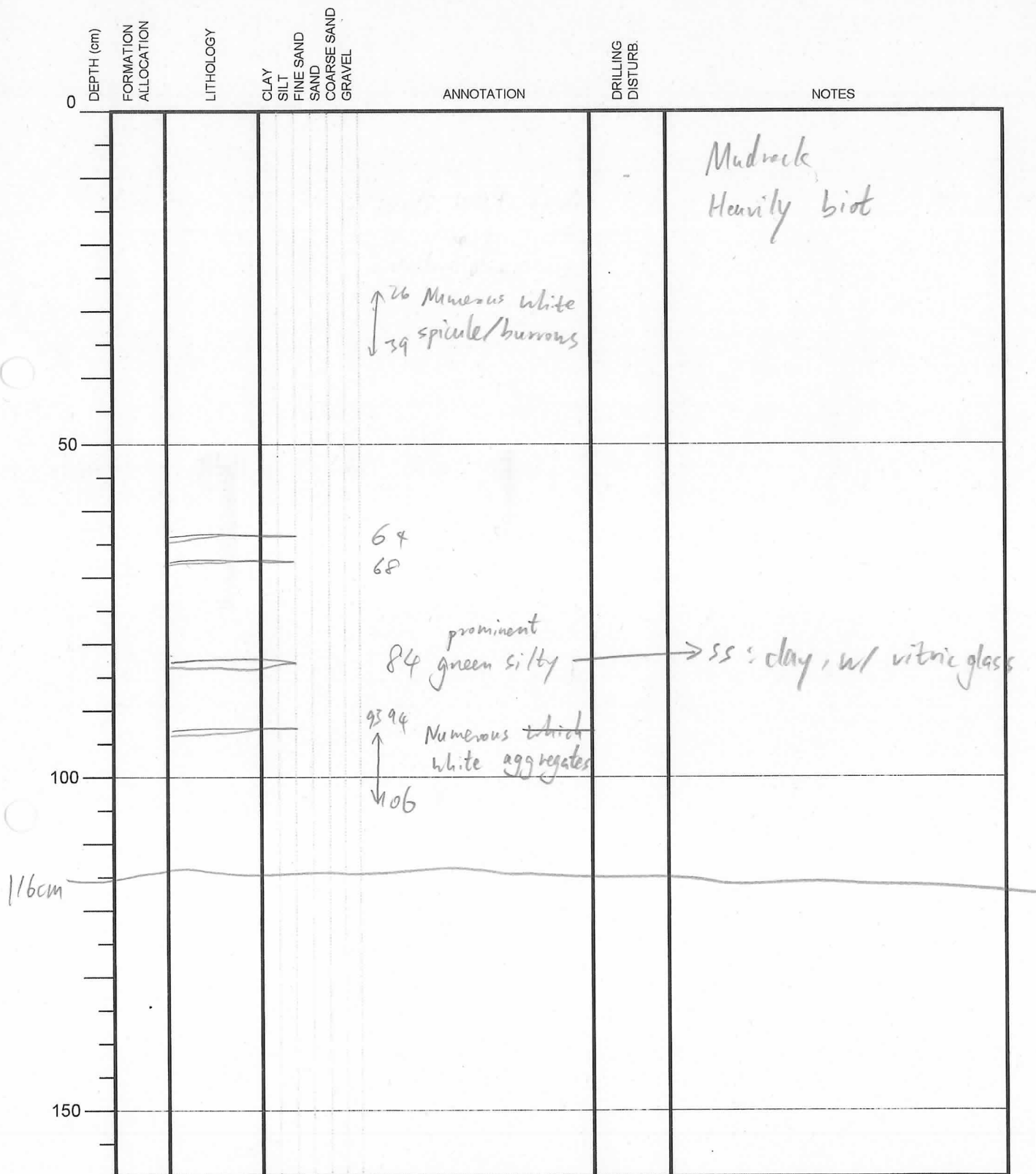
International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 43R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

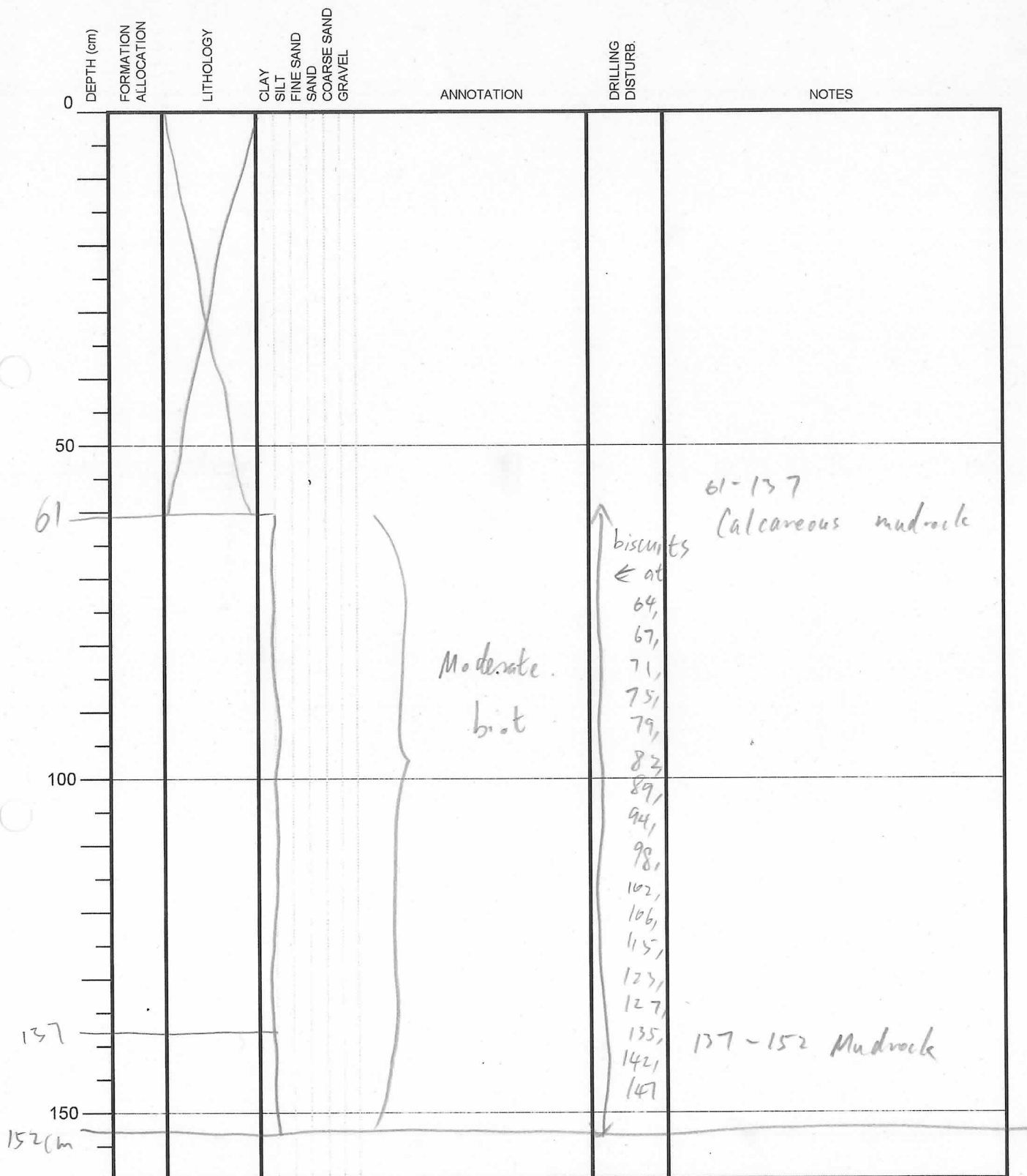
Visual Core Description

NO.

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 43R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



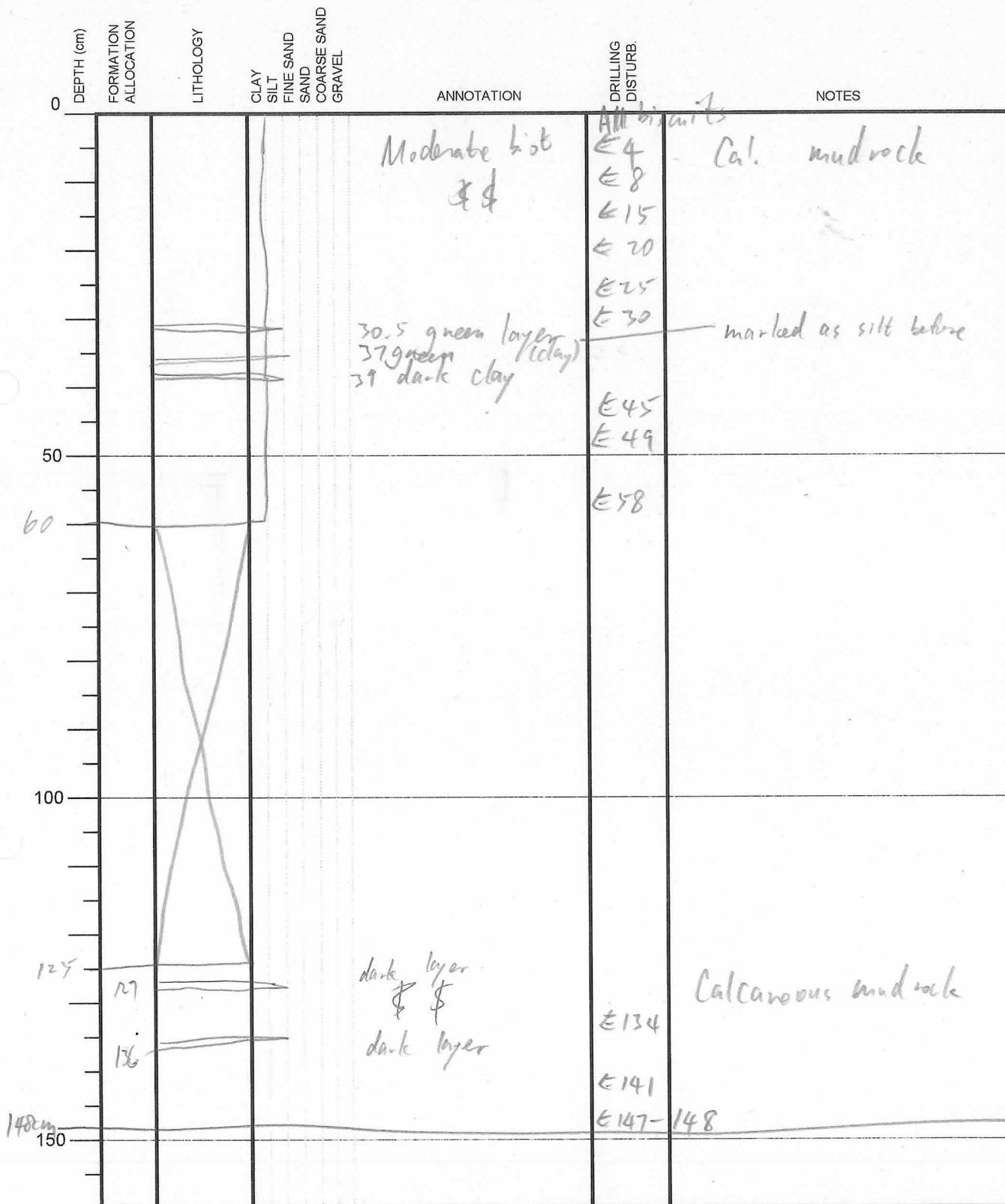
International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 43R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 431R
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
3				Distinct layers - (clay but mark as silt) Black	E7	0-3 Calcareous mudrock
14.5					E12	3-140 Mudrock
					E22	Heavy Heavy biot
					E30	\$\$\$
				44.5-45.5 - silty clay, black in colour		
50					E54	
				purple	E61	
66.5					E68	
					E75	
					E82	
					E87	
					E94	
100					E103	
				greenish black	E111	
113					E123	
					E127	
					E132	
140cm						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 43R
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
5				Dark gray heavy dark dark biot	≤ 11 ≤ 15.5	Mudrock
36		(PY)		Py nodule 1cm	≤ 34 ≤ 40.5 ≤ 47	
50						
77.5						
100						
150						

International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 43R
SECTION: 8
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		Mud rock
29					E24	Cal. mud rock
				41 dark line, ~20° inclined	E42	
50					E58	
					E72	
					E78	
					E85	
100					E102	
110					E110	
150						

International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 43R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$	← 9 ← 13 ← 16 ← 19	Cal. mudrock
50						biscuits
100						
150						

International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 44R
SECTION: 1+4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
15 cm				\$\$\$		Cal. mudrock
50				\$\$\$		Mudrock
38.5				The green clayey layer		
50						
100				Black Cbs Shea?		53-57 Darker color mudrock - clay only, compared to the paler color mud w/ vitric glass
63				Black cbshe		
150						

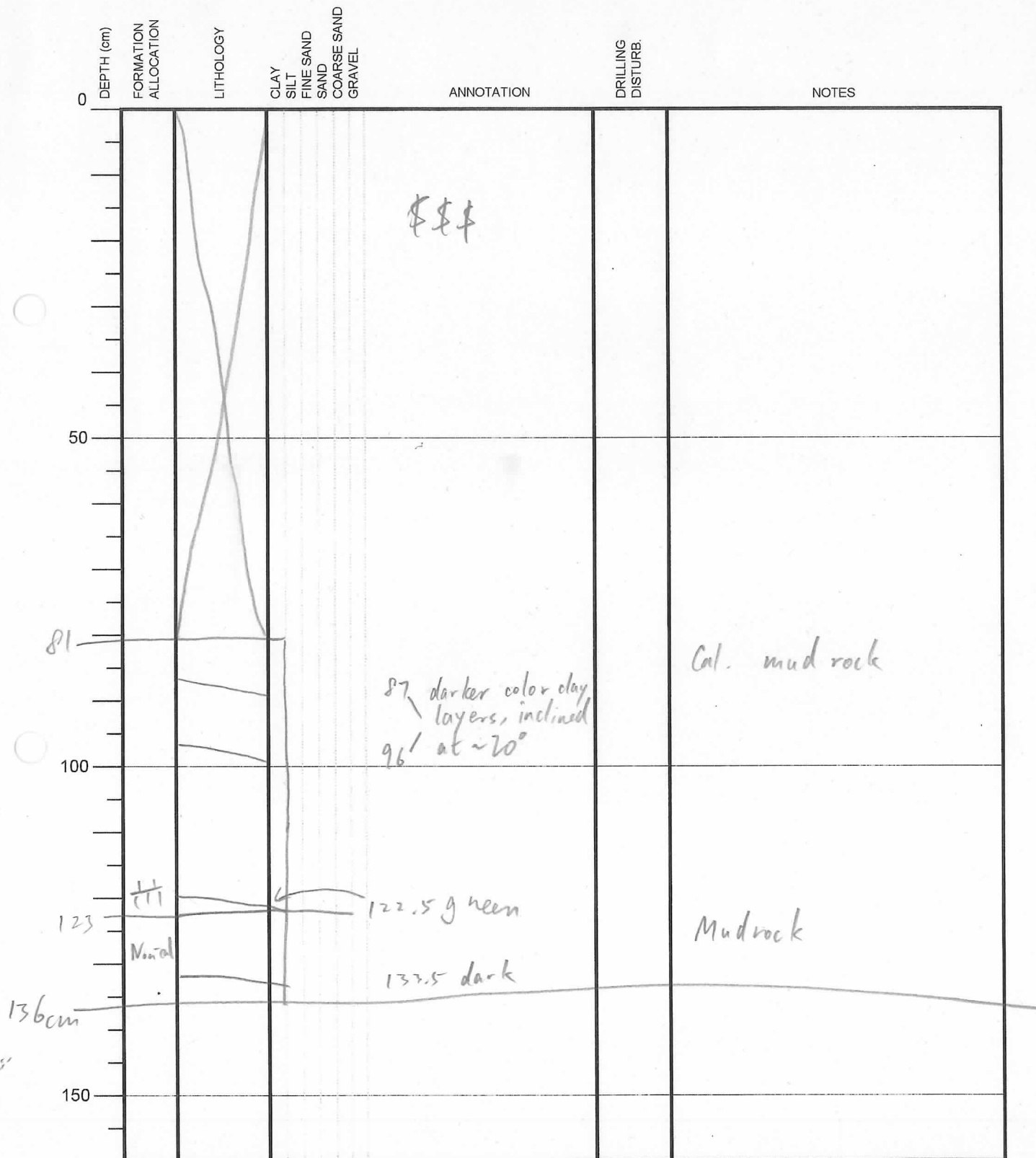
International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 44R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



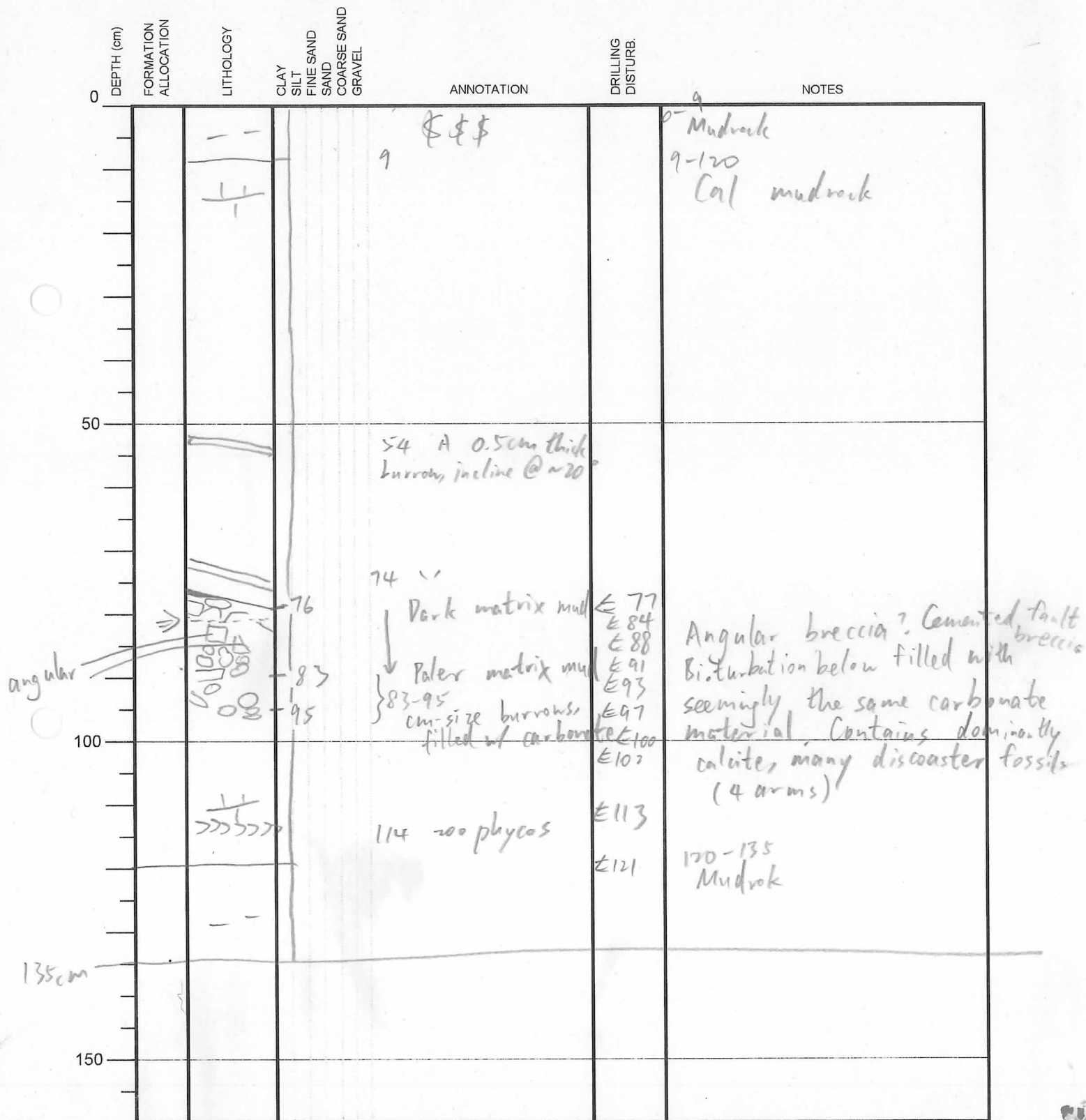
International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 44R
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



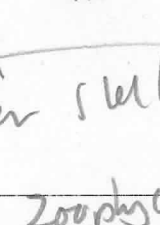
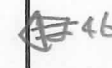
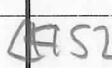
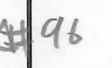
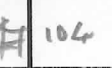
International Ocean Discovery Program Visual Core Description

NO

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 442
SECTION:
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3/16/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
						Calcareous boulders msl
						Core Section 4.
50				Fer silty gmb Zoophytes abundant Shell fragments Corals	  	SSC ₂
					 	
100						
				118		
150						

NO.

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3/10 / 2016
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

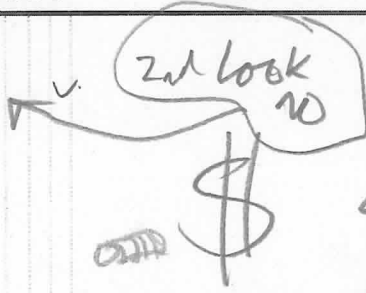
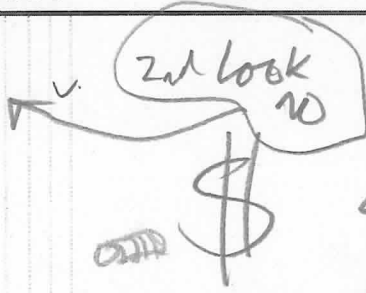
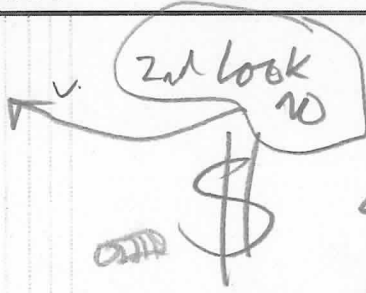
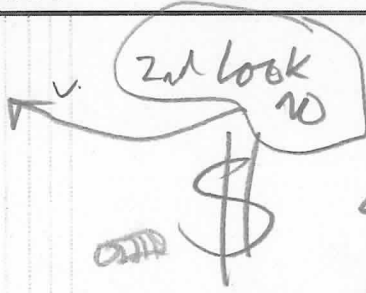
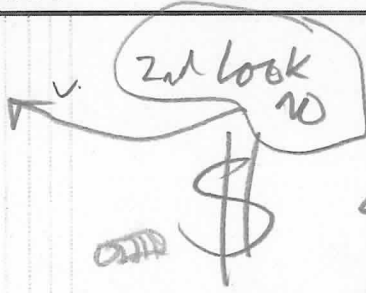
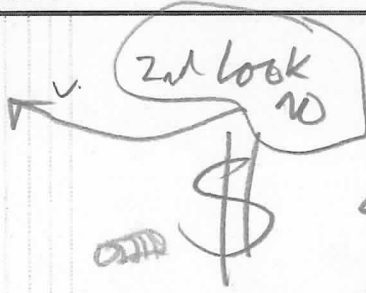
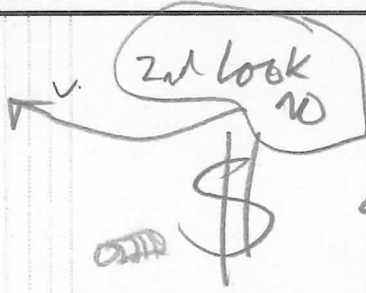
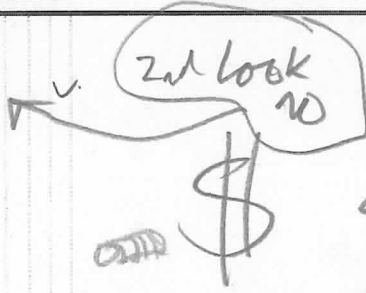
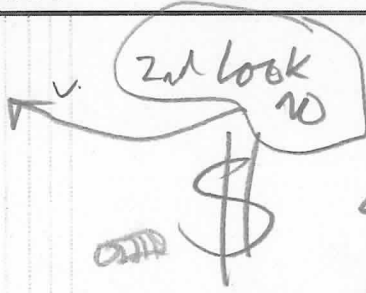
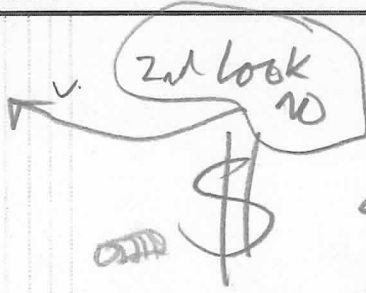
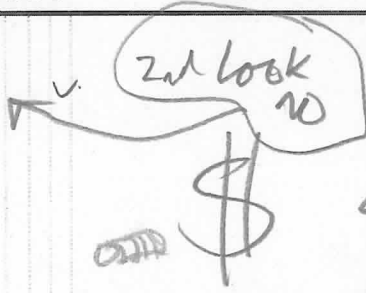
International Ocean Discovery Program Visual Core Description

NO

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 44R
SECTION: 9
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
						
						
						
						
50						as 44R-8
						len
						Caloz
100						
						
						
150						

International Ocean Discovery Program Visual Core Description

NO

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 44R

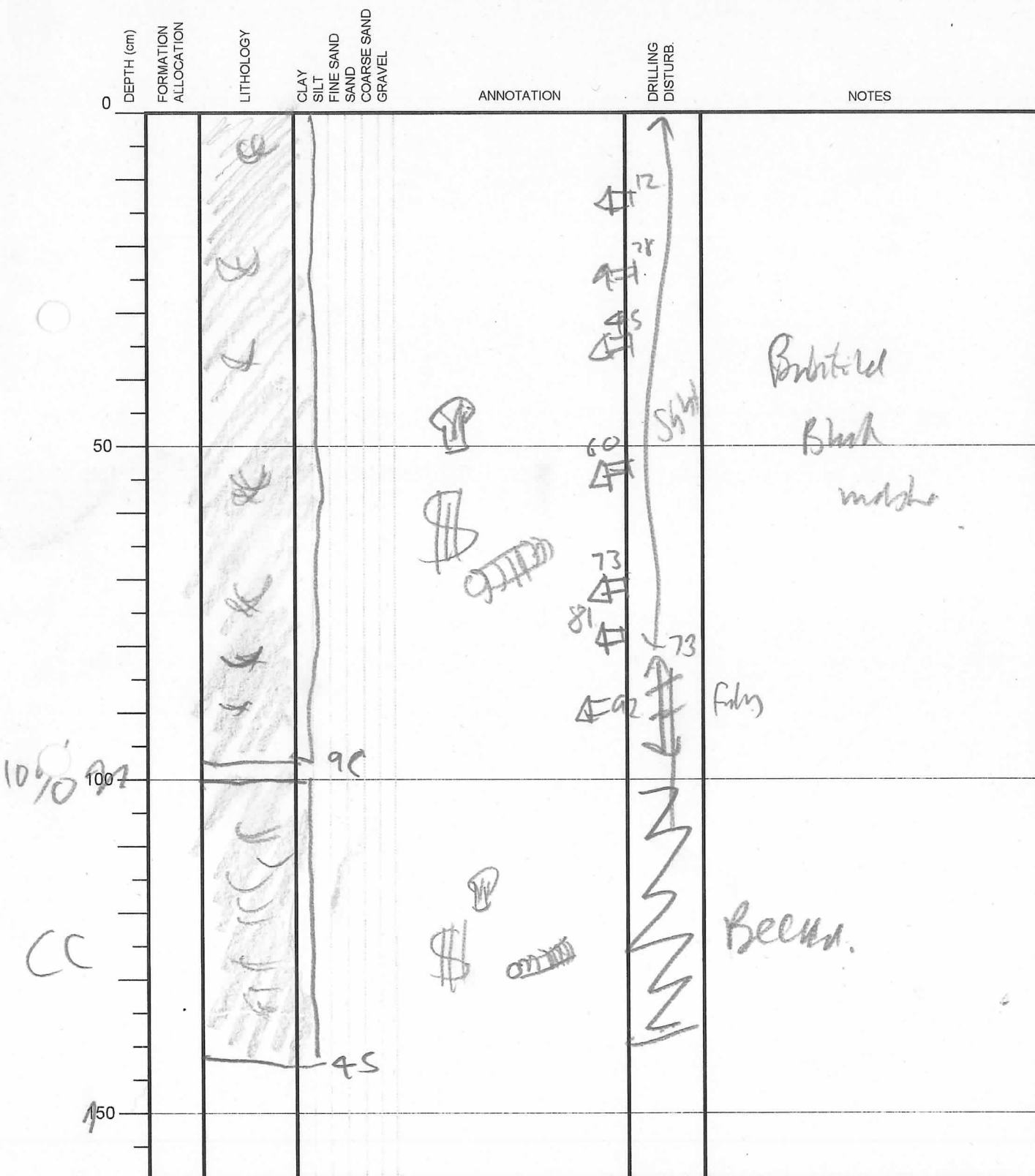
SECTION: 10 + CC

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: *ASR*
SECTION: *1*
TOP DEPTH (m CSF):

OBSERVER: *SAB*
ENTERED INTO J-CORES (DATE): *3* / *11* / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
100				<i>\$</i>	<i>LE</i>	<i>Same as ASR-2</i>
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 45R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
					457 4512 4520	low mure. high o p m u e - m u s h e → phagocyte → subit gut
50					4554 4559 4566 4570 4587	
				Na Calcs ← P m u e		
100					4516 45147	
				← P m u		
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 3/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 4SR
SECTION: 3
TOP DEPTH (m CSF): 671.180

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3/16 / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 462
SECTION: 1
TOP DEPTH (m CSF): 673.00

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3/10/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						Brookside mst Sinker to 45R-2
100				123C1		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 46
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3/10/2016
LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Pg 8 cm.		Bedrock white
				→ fine 2		with no sand grain
				← fine 2b		at 511 cm
				→ fine 4 cm		dark angular grain
50						Sized glass volume chst present
				← fine. 10d zoophony boring.		- little carbon lenth - no borings
100						
				140		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 46R.
SECTION: 3
TOP DEPTH (m CSF): 675.65

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3/10/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
100						
150						

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46 R-Z

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Amel.

127

International Ocean Discovery Program Visual Core Description

NO.

DATE: B / 10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 46R
SECTION: 4 7CC 615
TOP DEPTH (m CSF): 675.615

OBSERVER: SA
ENTERED INTO J-CORES (DATE): 3 / 10 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 47
SECTION: 1
TOP DEPTH (m CSF): 678

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3 / 10 / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						0-91 Claystone with little shale chert lam
50				40 cm 65 cm Black laminas no biotite NO CaCO ₃		Black Laminas
100				87 cm 91 cm 109 cm ↓	↓	41-109 Biotite laminae ↓
150						

International Ocean Discovery Program

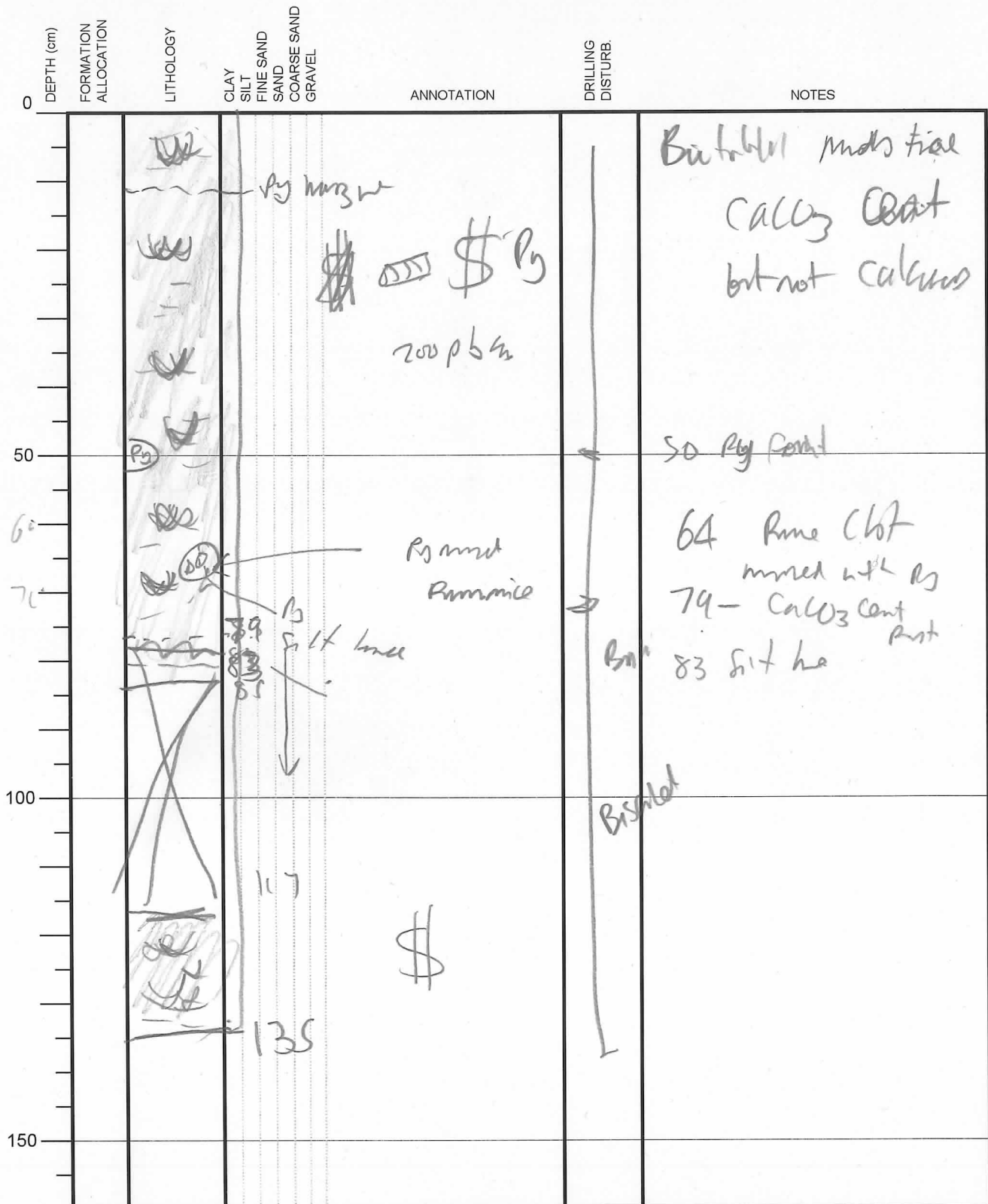
Visual Core Description

NO.

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 47R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3/10/2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 47R,
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				3C		Broken inside
				AD cr.		
50						Calcium
60						not
70				65 cr		
				76		Silicate but not Gels
				75		+ some chob
100						broken (Bd)
						me chob
				Q12, fine chert fragments		mark to 47R-2
				T35		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 47R
SECTION: 4 *CC
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 3/10/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Inched Bmms 20° ~sach. 20° 65 79.		Bioturbated mudstone note inched bmmms at 20° ! have approx same ls each other but texture is bmmms.
100						Bioturbated mudstones bmmms horizontal
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 4/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 48R

SECTION: 1

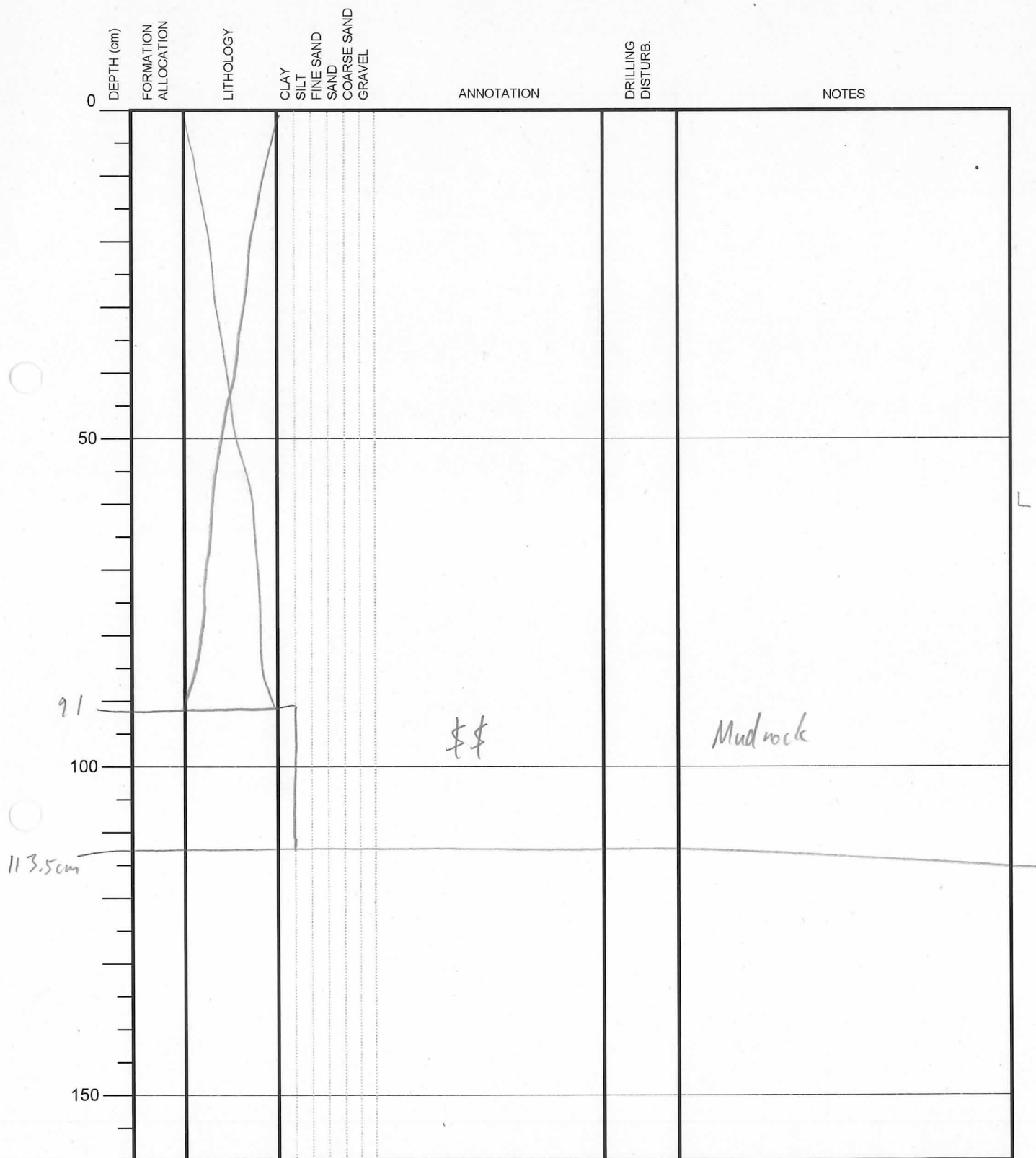
TOP DEPTH (m CSF):

683

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

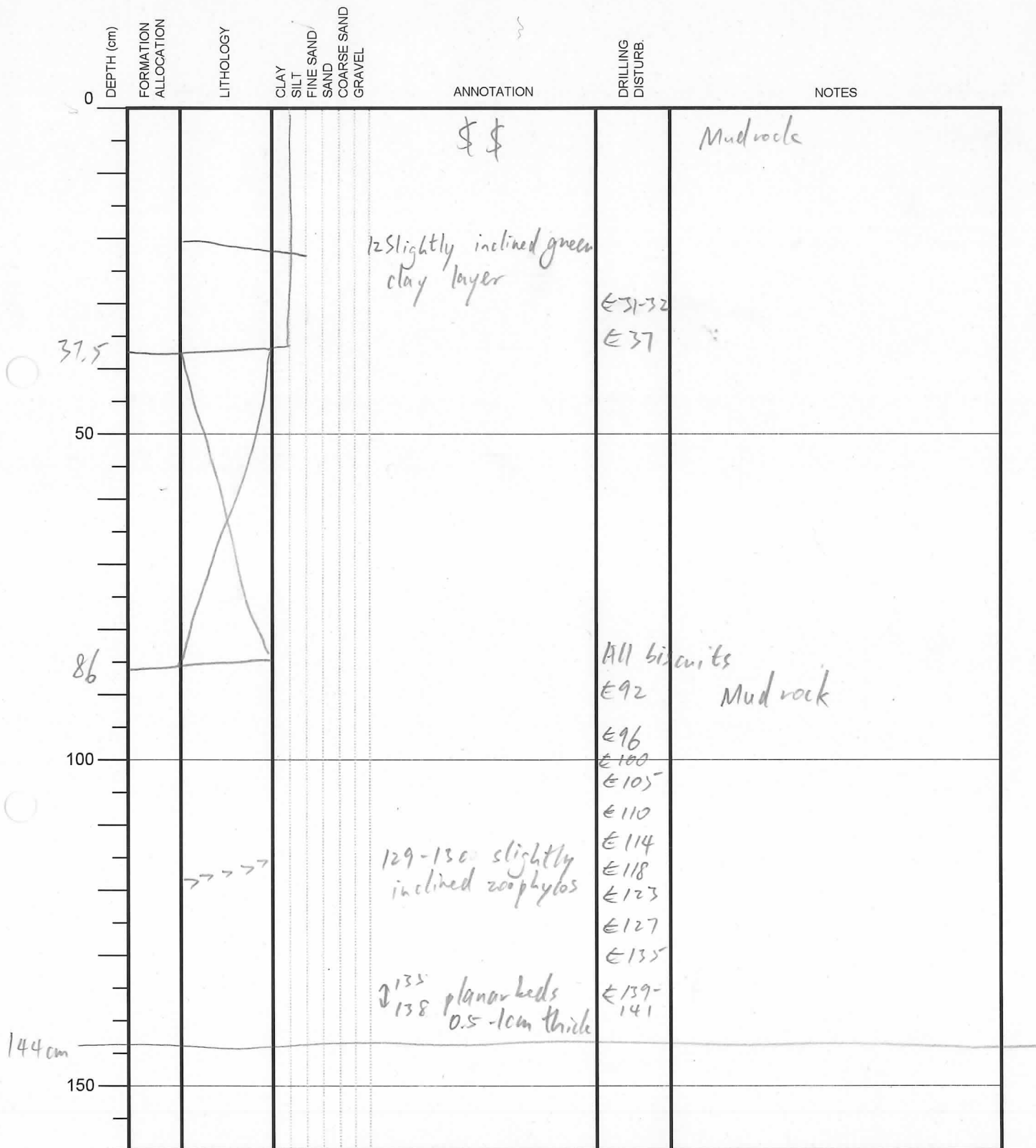
NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

A

CORE: 48 R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 48R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Planar bedding, horizontal except	bits	Mudrock
					E14	
					E19	
					E23	
				29.5-31.5 Inclined green	E29-31	
				29.5-35 Beds are slightly inclined	E35	
					E39	
					E45	
					E47	
50					E50-51	
					E62	
					E67	
					E70-72	
					E76	
81						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 48R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				Whole core: \$	biscuit	Mudrock
					E 9	
				20 A sub-vertical dark band on the biscuits shows how the biscuits are disturbed (rotated).	E 26	
30					E 30	Cal. mudrock
34					E 34	Mudrock
					E 45	
50					E 50	
					E 52	
					E 56	
					E 59	
					E 63	
					E 66	
					E 71	
					E 75	
					E 80	
					E 83	
88cm						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 48R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

A

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
				\$ \$	e7	Mudrock
					e23	
					e28	
42cm				38.5-40 Dark, thin, inclined layer		
50						
100						
150						

International Ocean Discovery Program

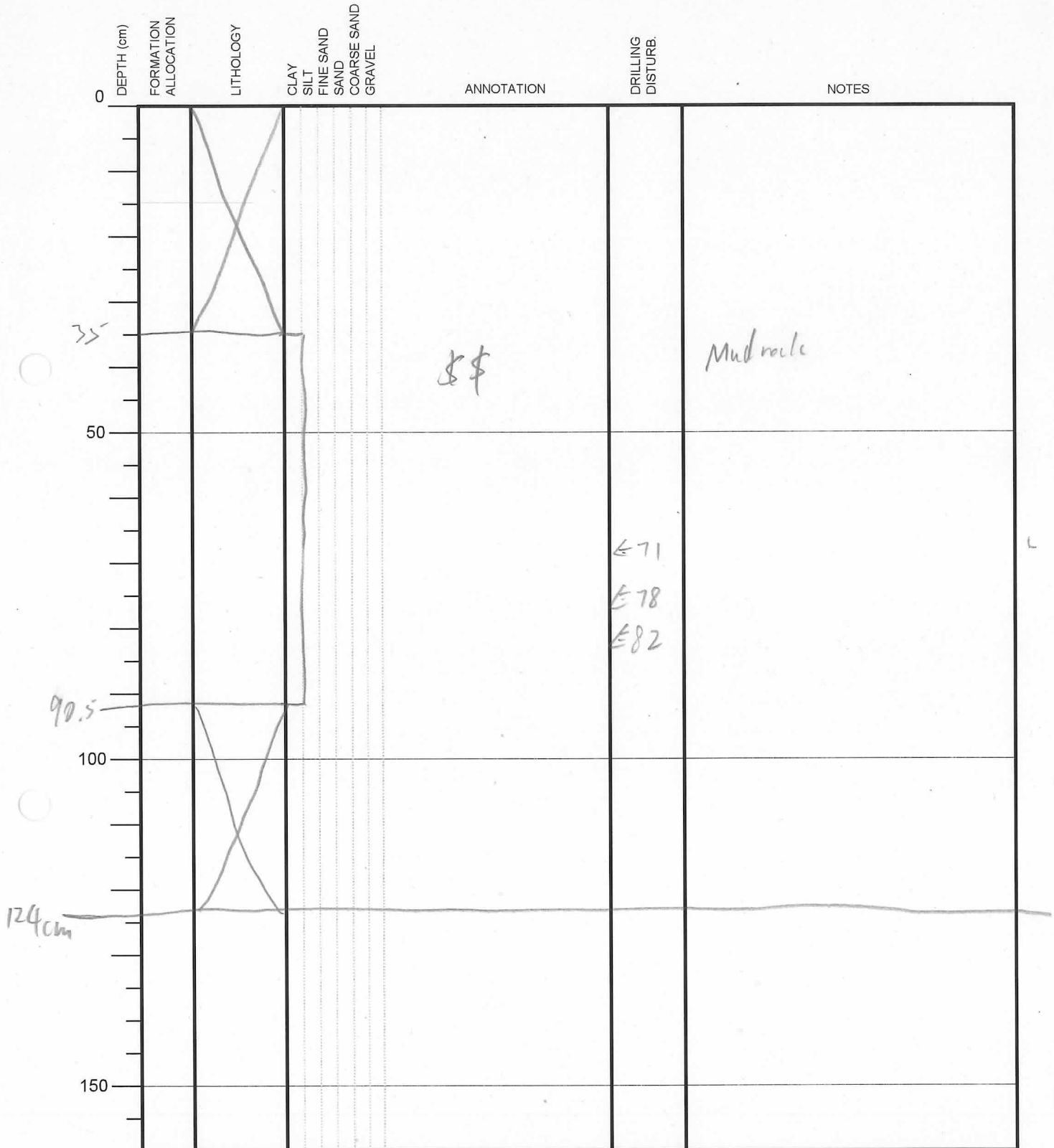
Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 49R
SECTION: 2
TOP DEPTH (m CSF): 687.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 4/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

49R

SECTION:

3

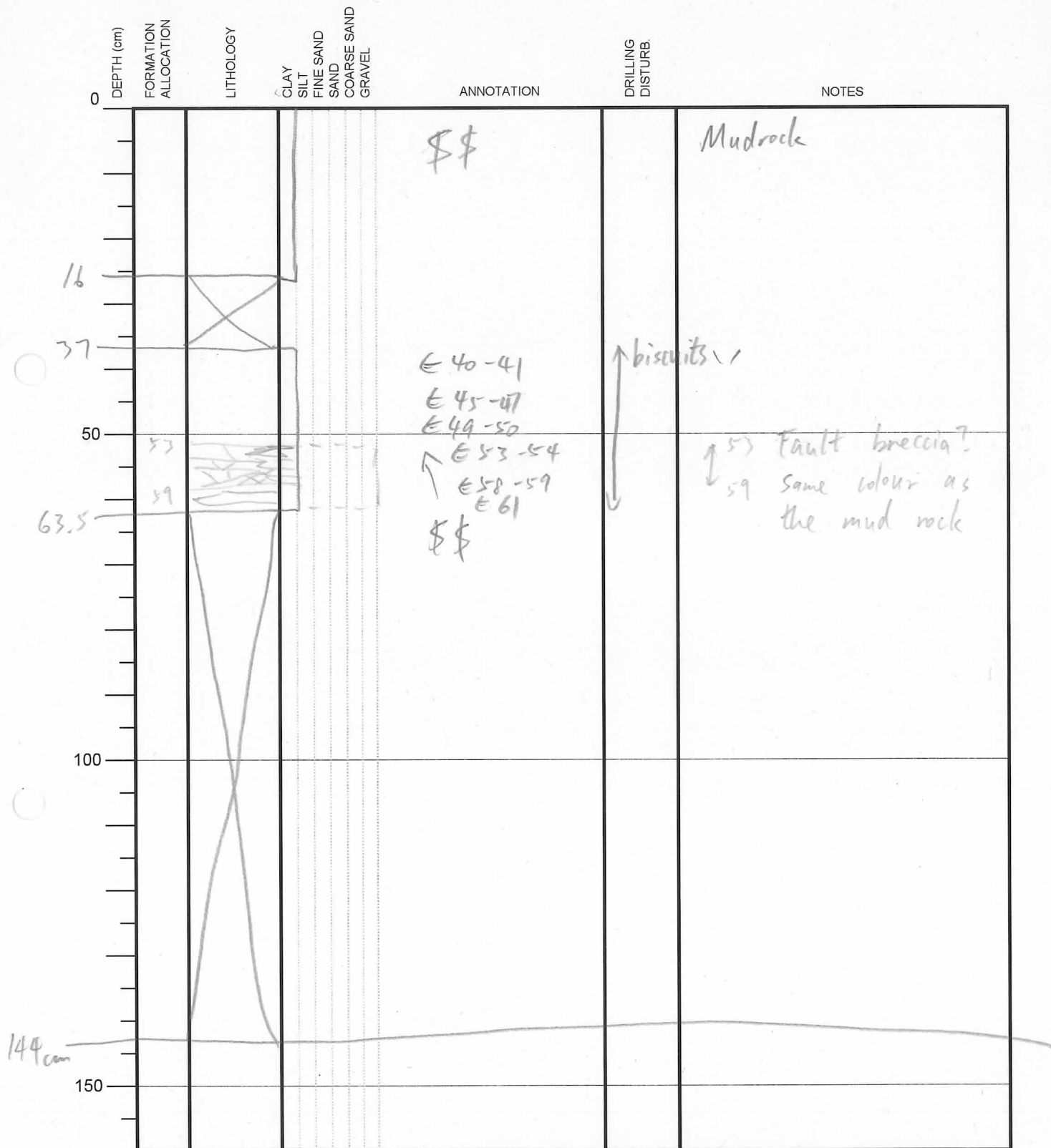
TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 4/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE:

SECTION:

TOP DEPTH (m CSF):

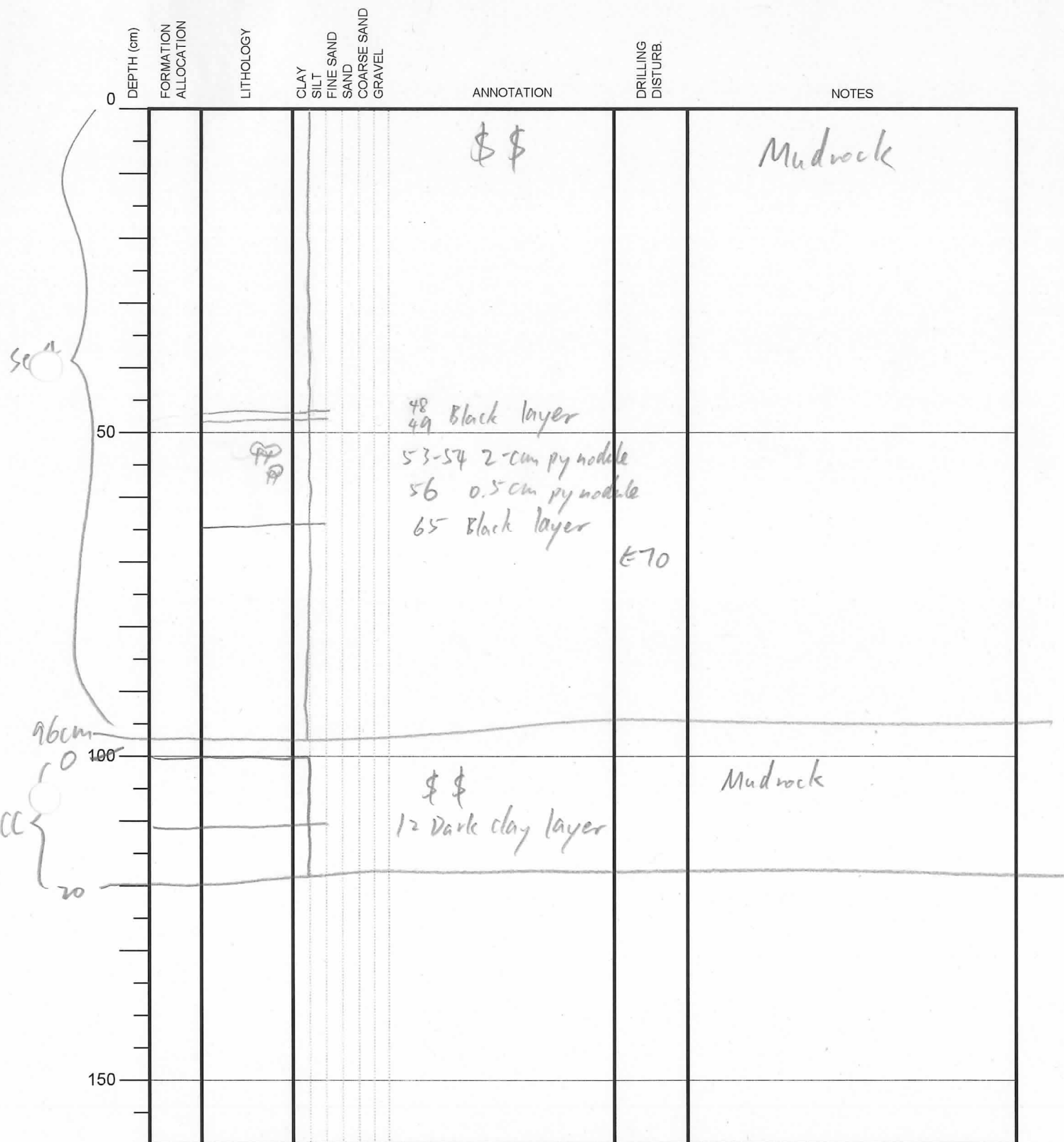
49R
4 + CC

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

MY



International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016

CORE: 50R

OBSERVER: MY

EXPEDITION: 370

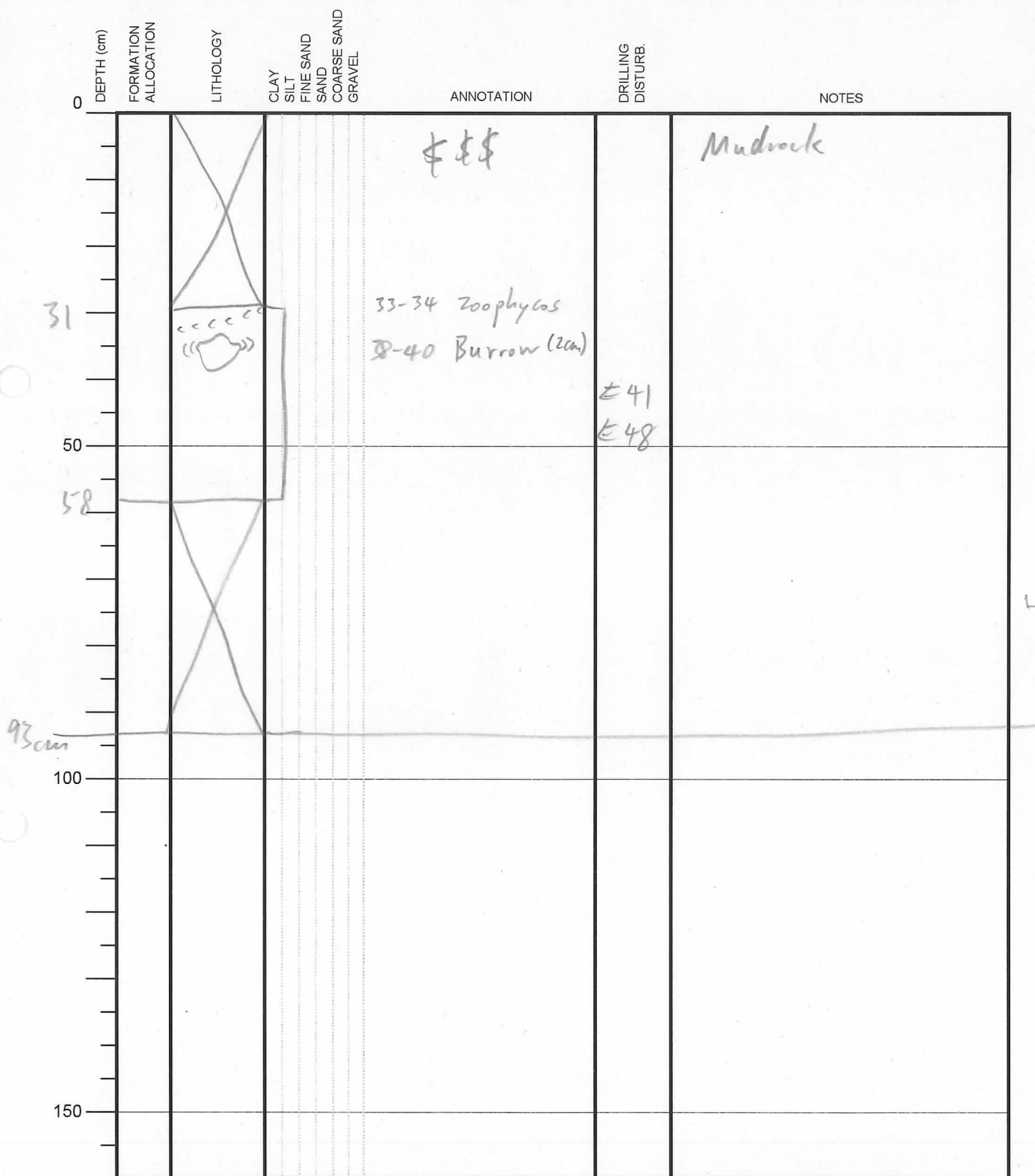
SECTION: 1

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO



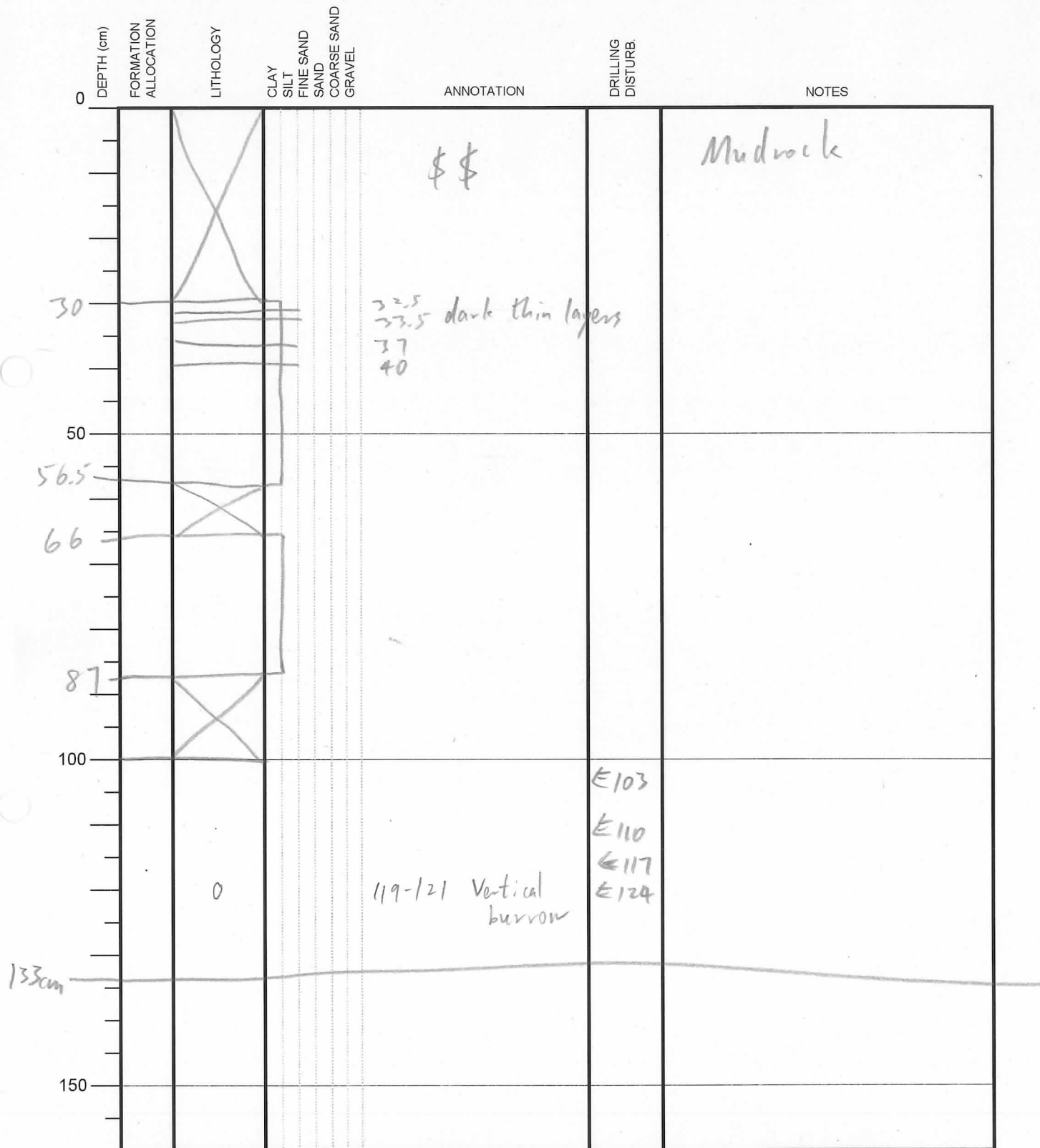
International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 50R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 4/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

4 SOR

SECTION:

4

TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0		HH				Cal mudrock
23				\$ \$	≤24 ≤30	Mudrock
50					≤55 ≤65	
78.5 cm						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

50R

SECTION:

5

TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0				\$\$\$		Mudrock
30				Dark band		
50					≤ 52	
59.5				55.5-56 py nodule (0.7cm)		
70.5					≤ 80	Cal mudrock
92cm					≤ 87-89 ≤ 91 - end	
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 50R
SECTION: 6+CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
37				\$\$\$	All biscuits, at every cut	Cal mudrock
50						Mudrock
64.5 cm						
100				\$\$	✓ ✓	Mudrock
306 cm						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 51R
SECTION:
TOP DEPTH (m CSF): 697.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

A

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				\$\$		Mudrock - Homogenized clay, but w/ 5-7% vitric glass
40					40	
50				48-53 Black homogenized mudrock, common in py	drill breccia 48-53-56 56	
82		greenish grey		82-87 Greenish grey, plane structure on top → possibly an alteration band		Greenish grey: Homogenized mudrock, common in (py?) & fer quartz dark green Abundant clay, finer grain common large-grain quartz, fer py 150 μm
87		dark green				
126 cm						
150						

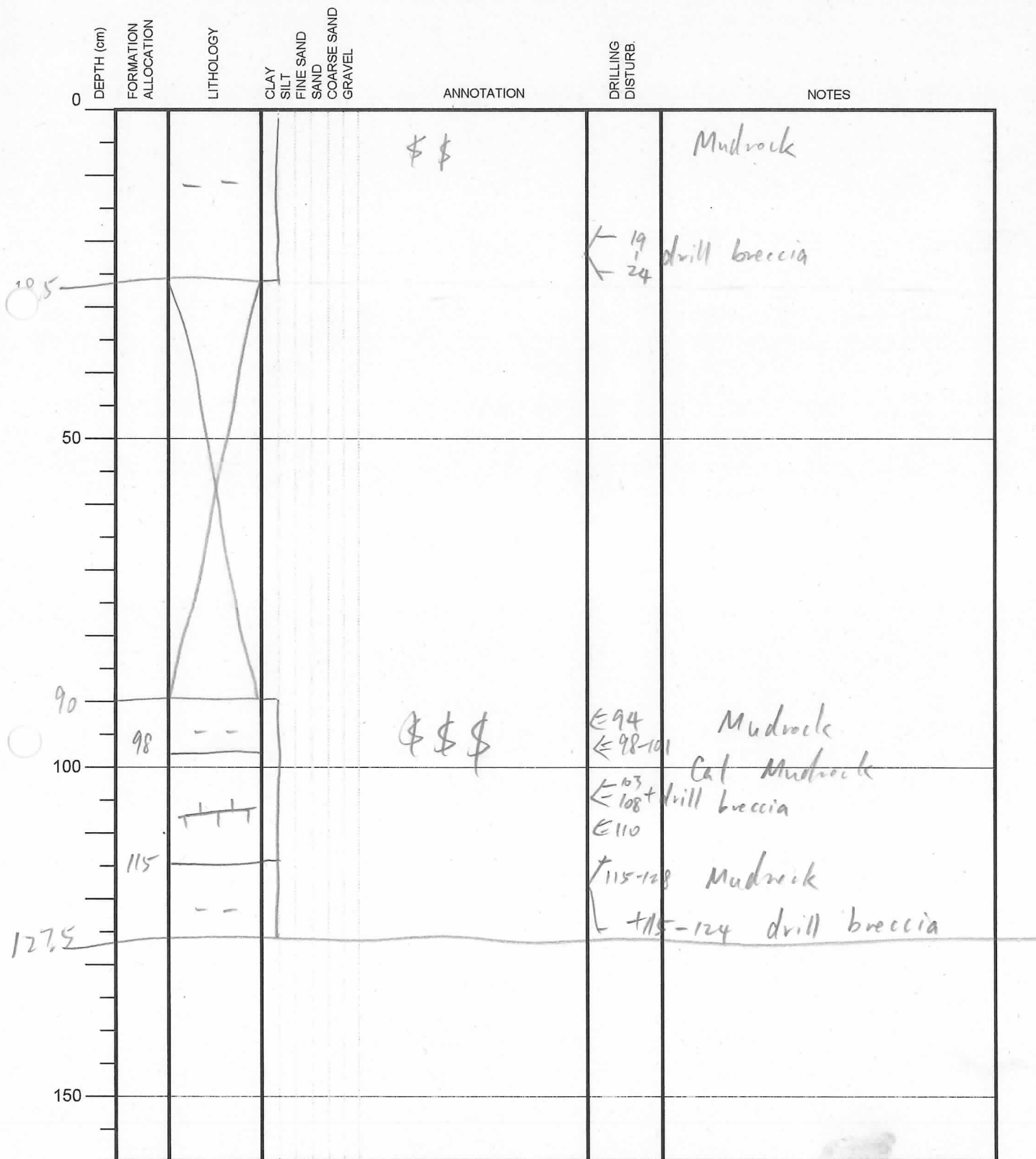
International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 51R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



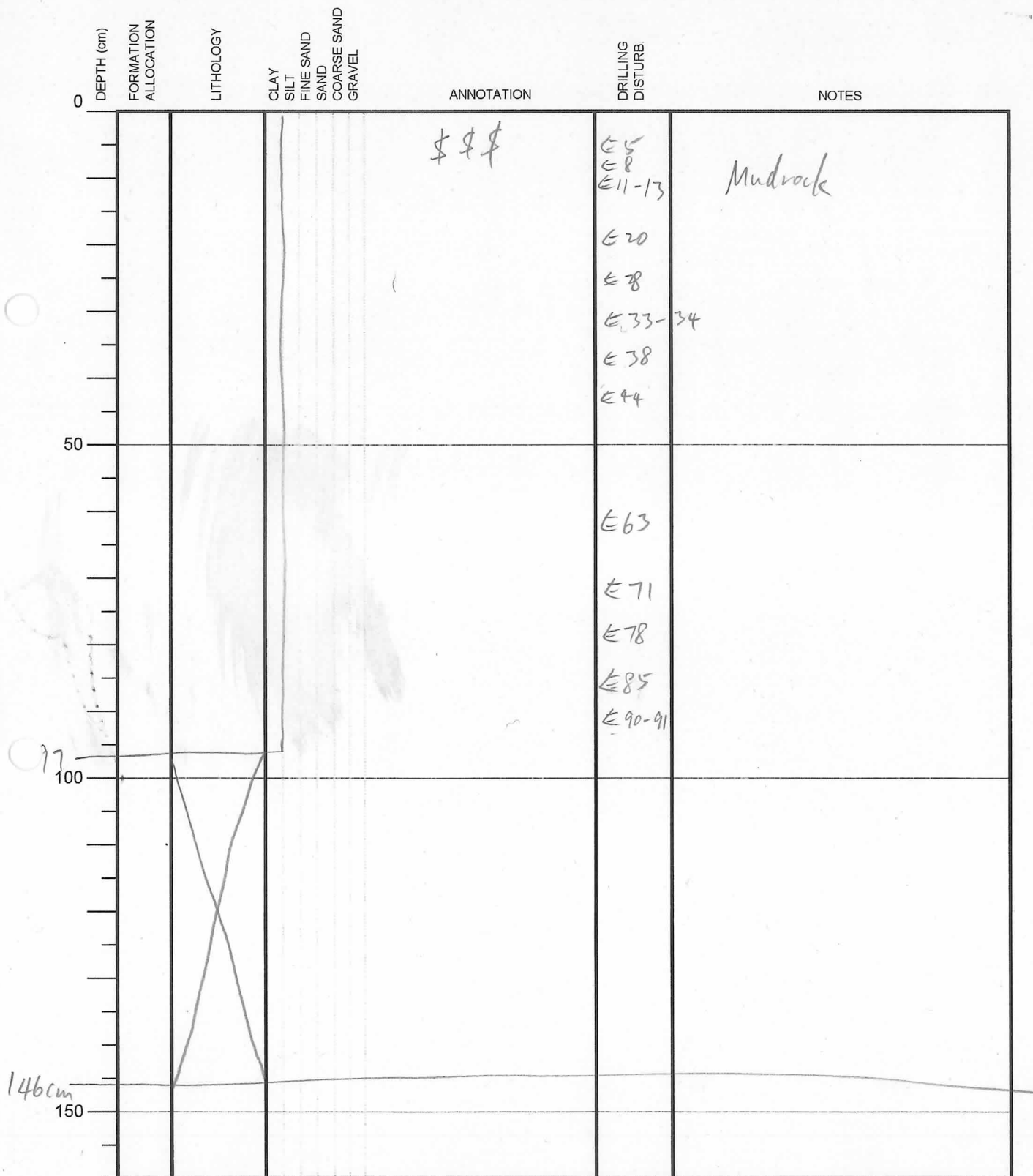
International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: SIR
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 51R
SECTION: 4 + CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
44.5				\$\$\$		
50						44.5 - 50 Cal. mudrock
63						50 - 63 Mudrock 60.5 - 63 Green area on one of the drilling breccia: Grains are round, few py, seems to be altered mudrock, rare vitric glass
100				\$\$		
16.5						Mudrock 3-4 cm Some green colour, resembling the bottom of sec 4
150						

International Ocean Discovery Program

Visual Core Description

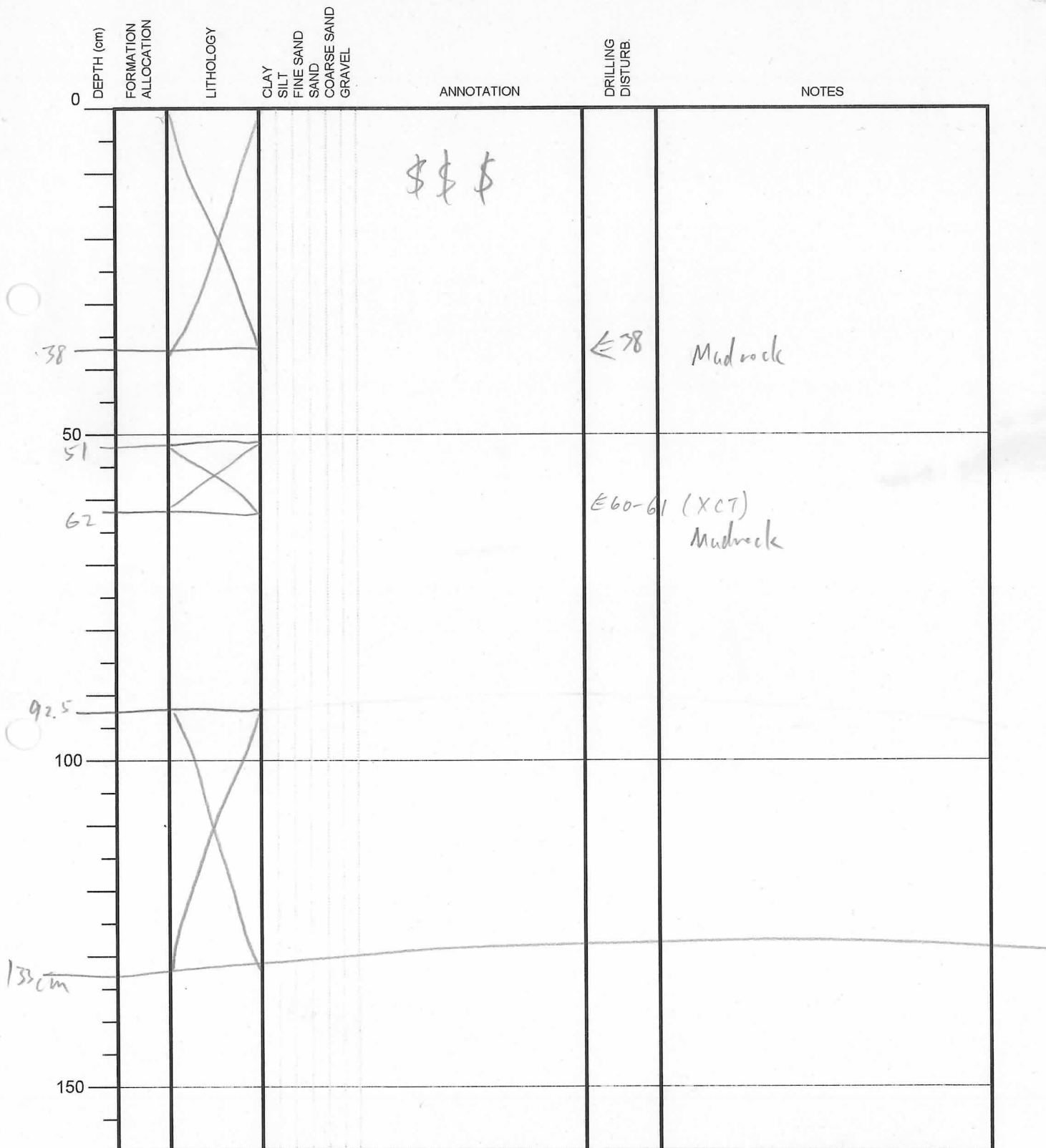
NO.

DATE: 4/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

A

CORE: 52R
SECTION: 2 - only sec
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 4/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 54R

SECTION: cc - the only sec

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
8				} \$\$\$		Calcareous = small carbonate grains, lower part of upper Shikoku mudrock, fairly, has glass but rare
19					← Breccia	Mudrock
25.5 cm				} \$\$\$		Calcareous Abundant microfossils eg. forams, common smaller carbonate grains. Mudrock resemble upper Shikoku Basin mudrock saw a discoaster
50						
100						
150						

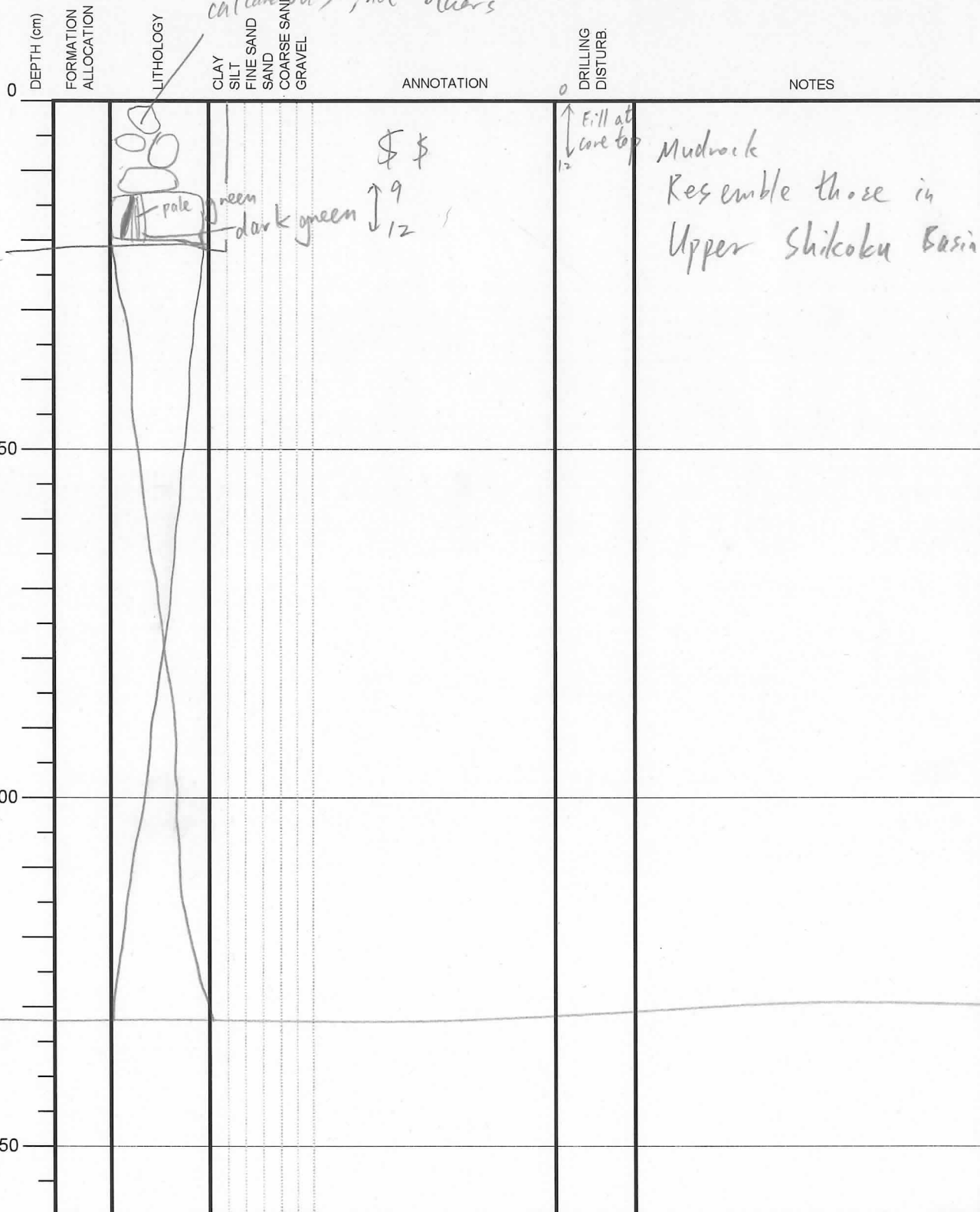
International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 55R
SECTION: 1
TOP DEPTH (m CSF): 717.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



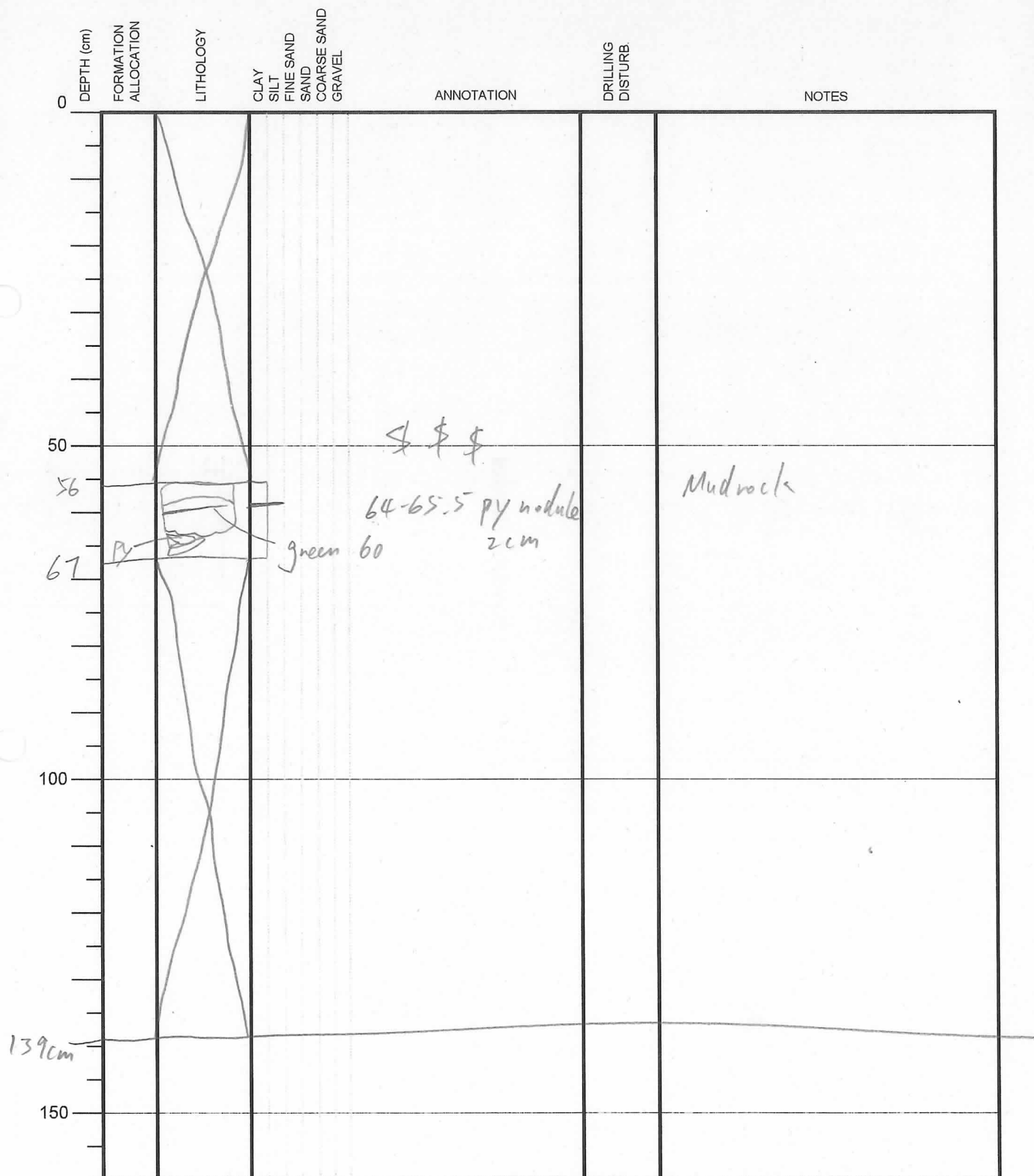
International Ocean Discovery Program Visual Core Description

NO.

DATE: 5/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 55R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 55R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
98				\$\$\$ 29 cm py nodule 69 py nodule (0.5cm)		Mudrock
100						
128				130.5 Green, 132.5 thin layers		these 2 probably from biot. Burrows next to them
139cm						
150						

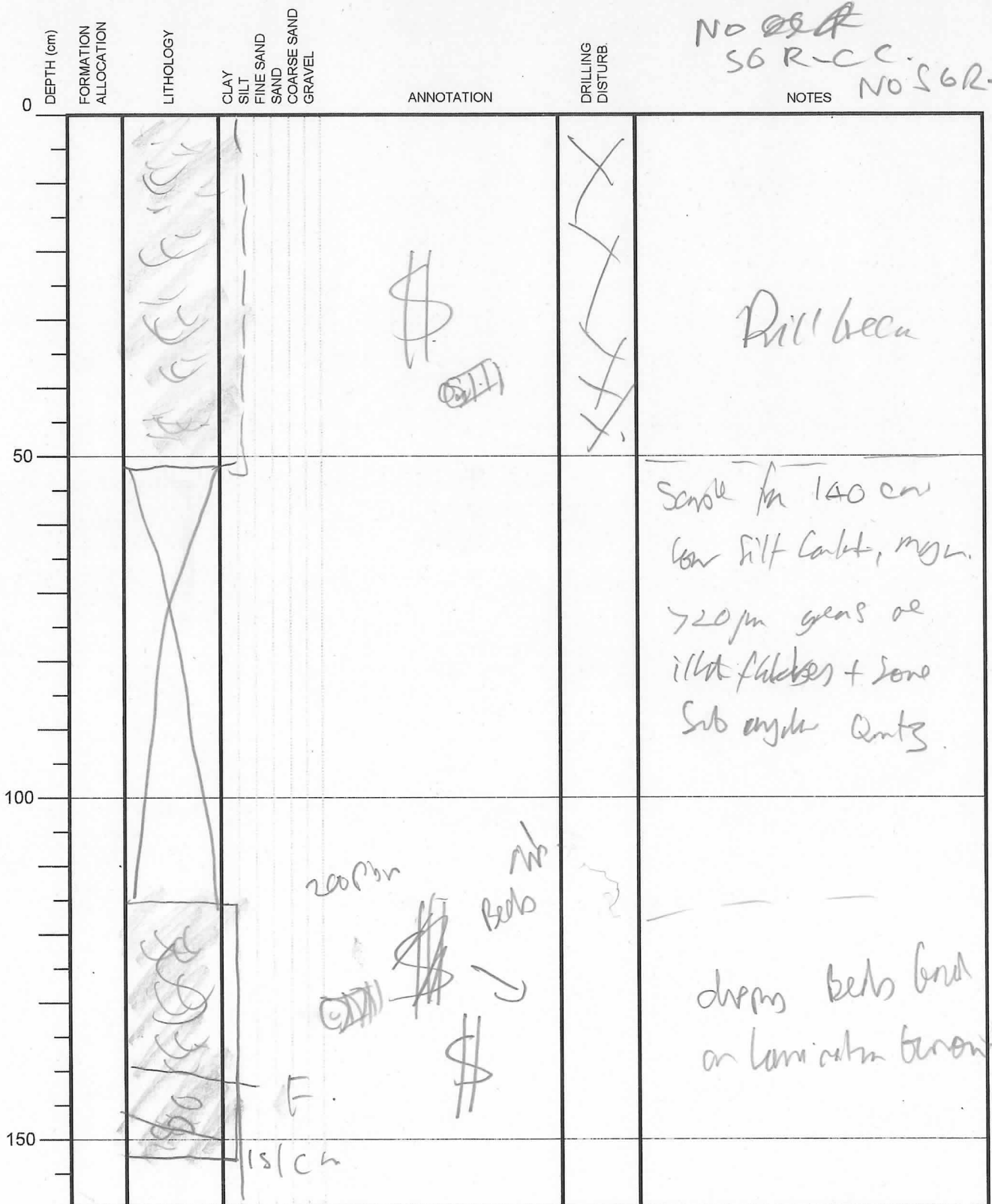
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 56R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



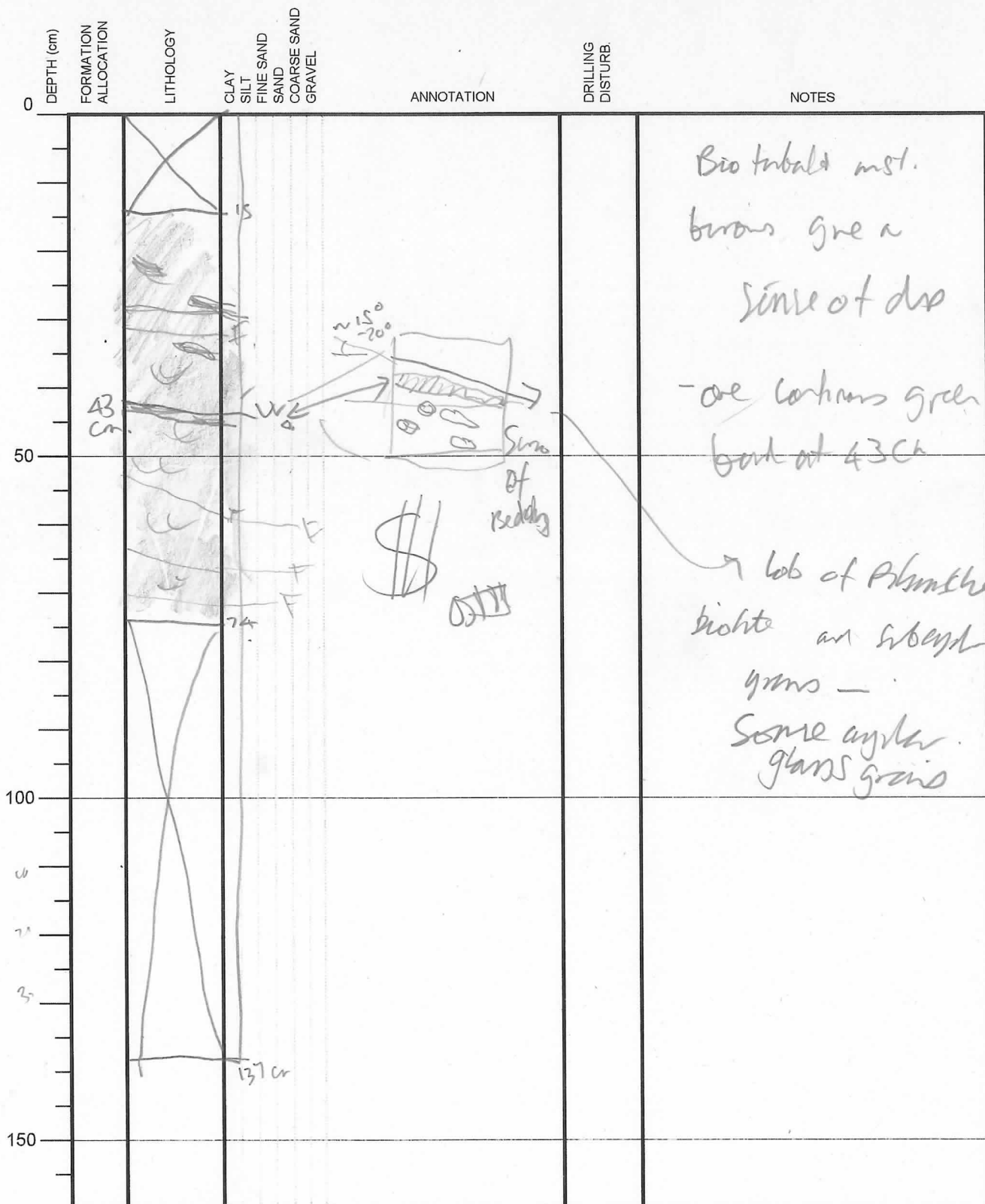
International Ocean Discovery Program Visual Core Description

NO.

DATE: 16/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: SR
SECTION: 3
TOP DEPTH (m CSF): 724.805

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 16/10/2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: SGR
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
50				Beddy hard		
100				FeS $+ \text{FeS}$ $? + \text{CuFeS}_2?$		Photo micrograph later and sample to SEM.
150				SGR-4 SGR-5		

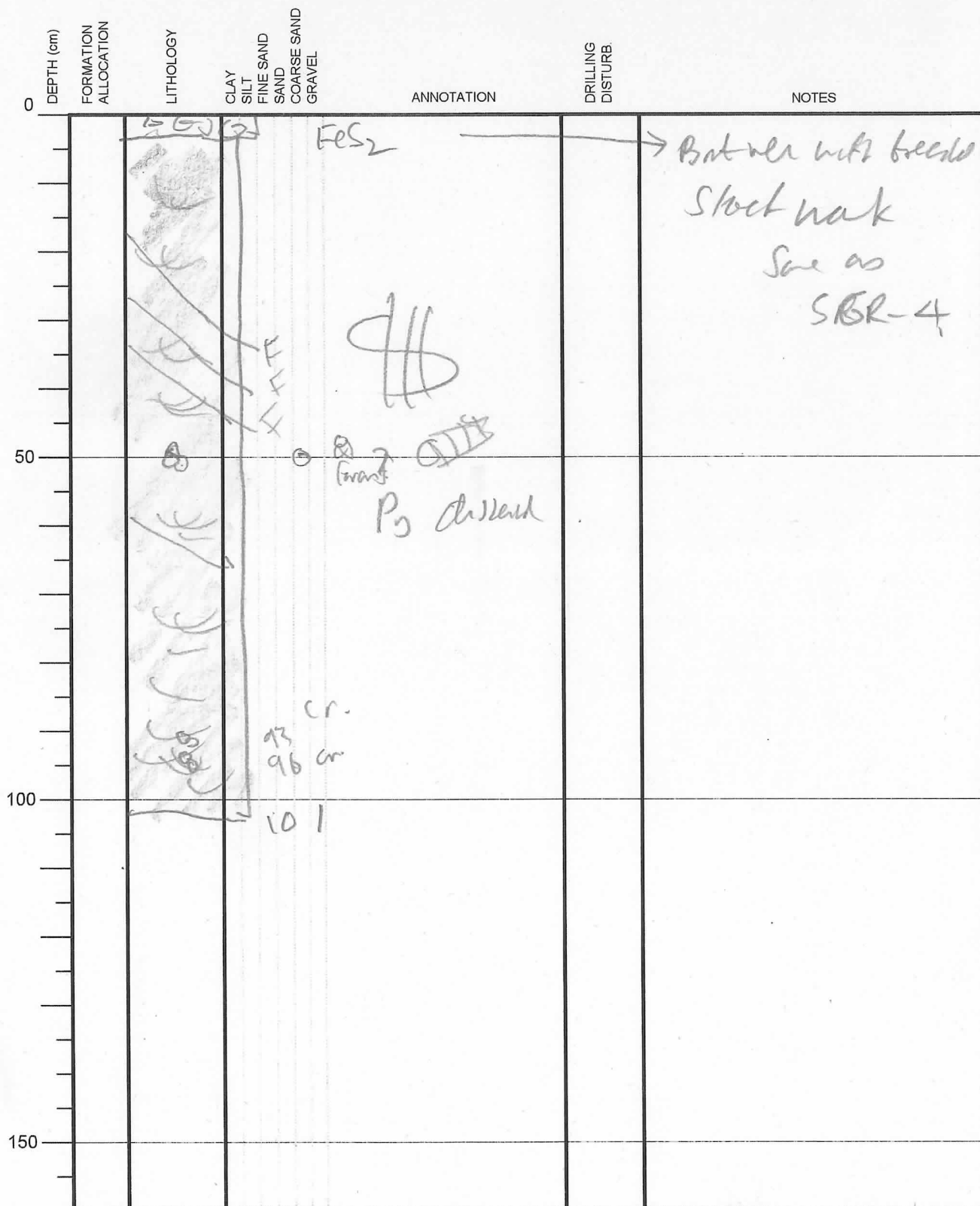
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: SBR
SECTION: 5
TOP DEPTH (m CSF): 727

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/16/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: STR
SECTION: 1
TOP DEPTH (m CSF): 727.5

OBSERVER: SAB
ENTERED INTO J-CORES (DATE) 6/16/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
50						
100						
150						

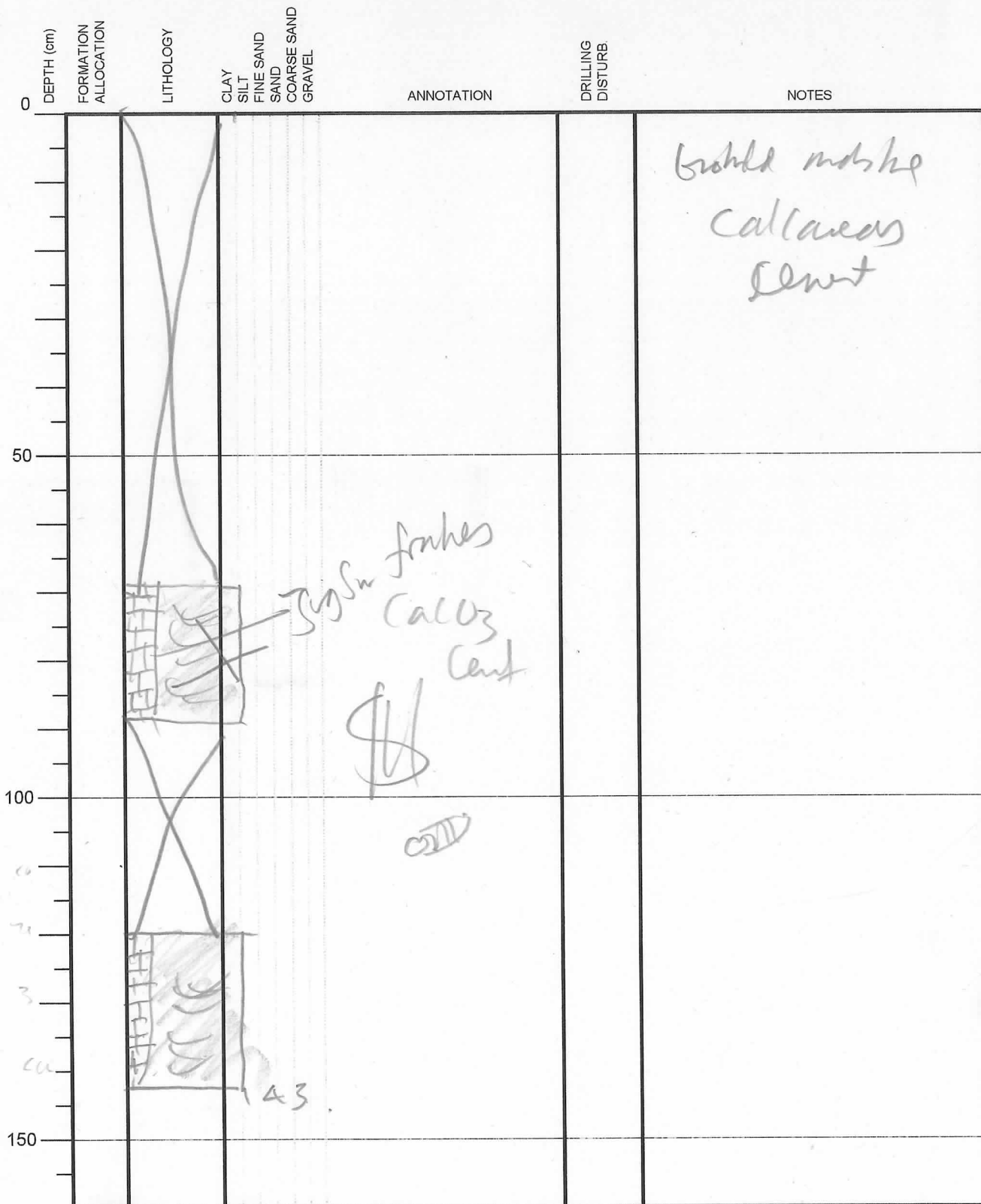
International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 57R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: SOR
ENTERED INTO J-CORES (DATE): 6/16/2016
LOGGED FROM X-CT: YES/NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 57R
SECTION: 3 + CC.
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE) 6/10/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
43				Calcs		Boulder matrix
47				F 20 F 24 vv 25 47		Fine & coarse sand Silt fabric
50						
100						Grains Calcs coal debris Partially boulder grms Sub cycle to right quartz.
100				7 21 44		
150				rebed closed - contains with shims mm		

International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/14/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: S8R
SECTION: 1
TOP DEPTH (m CSF): 732.5

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 6/14/2016
LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
48						8cm
50						Brick-like mat Silt in STR-
69.5						
100						
150						

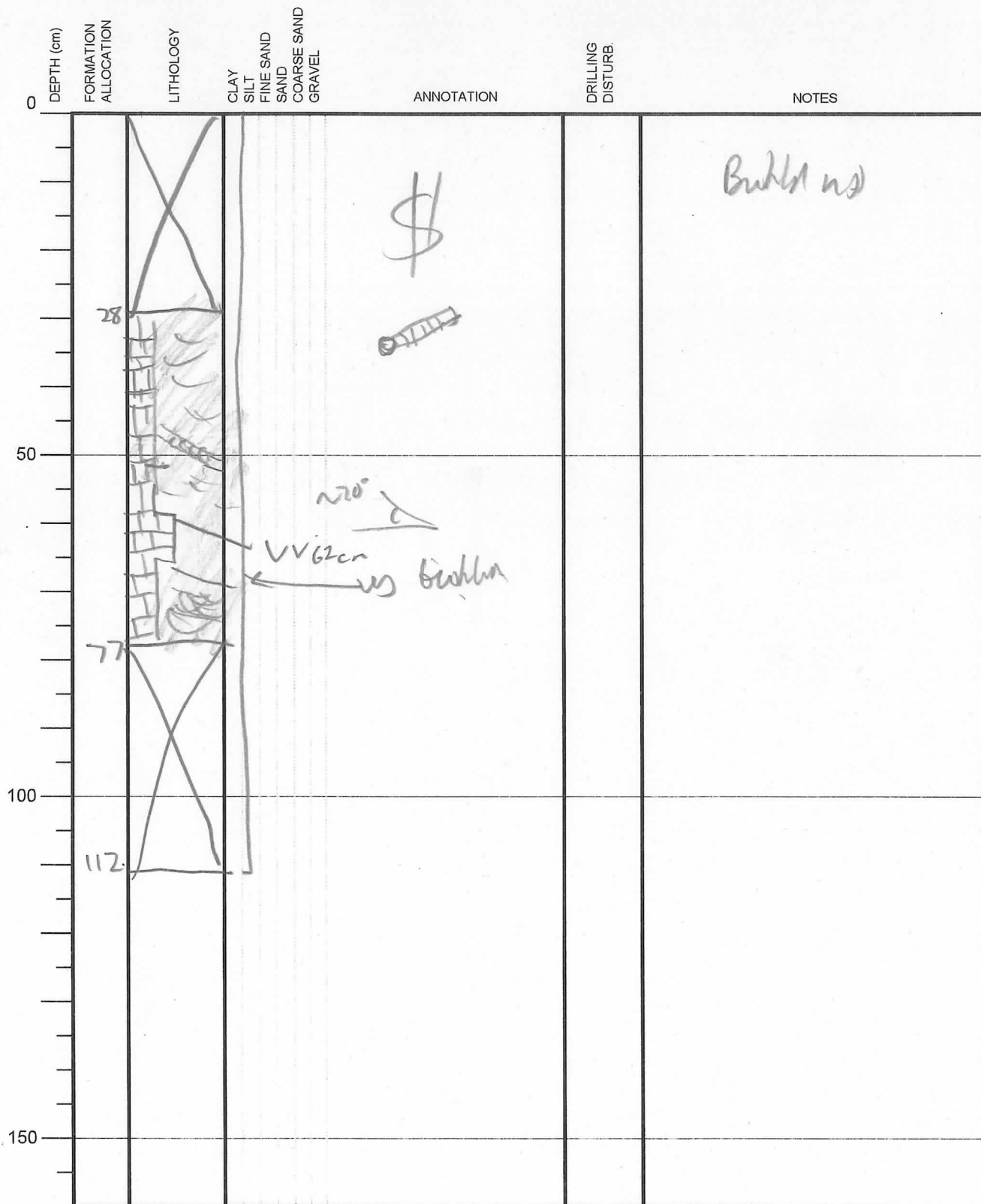
International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: S8R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: JAB
ENTERED INTO J-CORES (DATE): 6/16/2016
LOGGED FROM X-CT: YES/NO



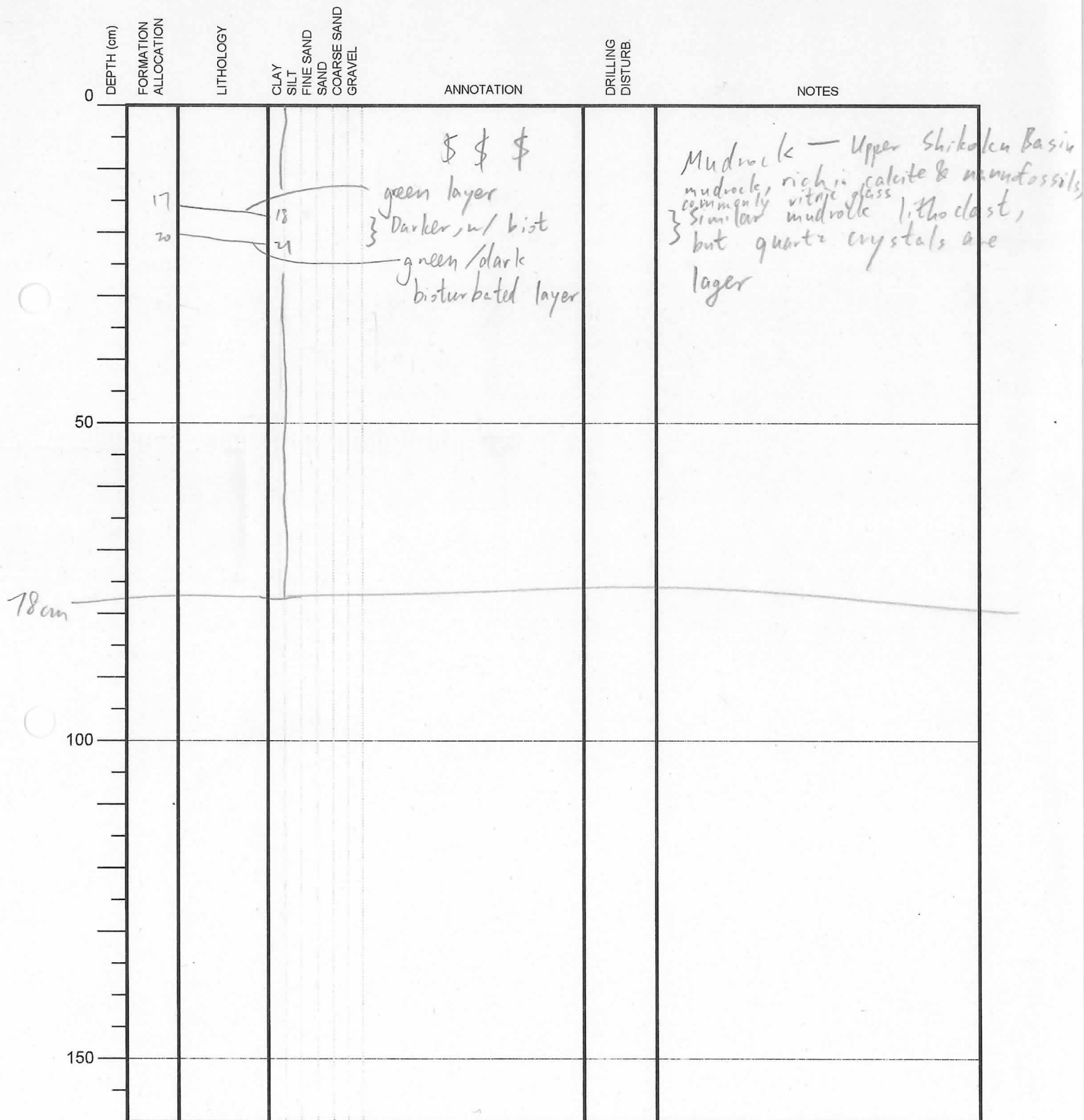
International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 59R
SECTION: 1
TOP DEPTH (m CSF): 1737.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



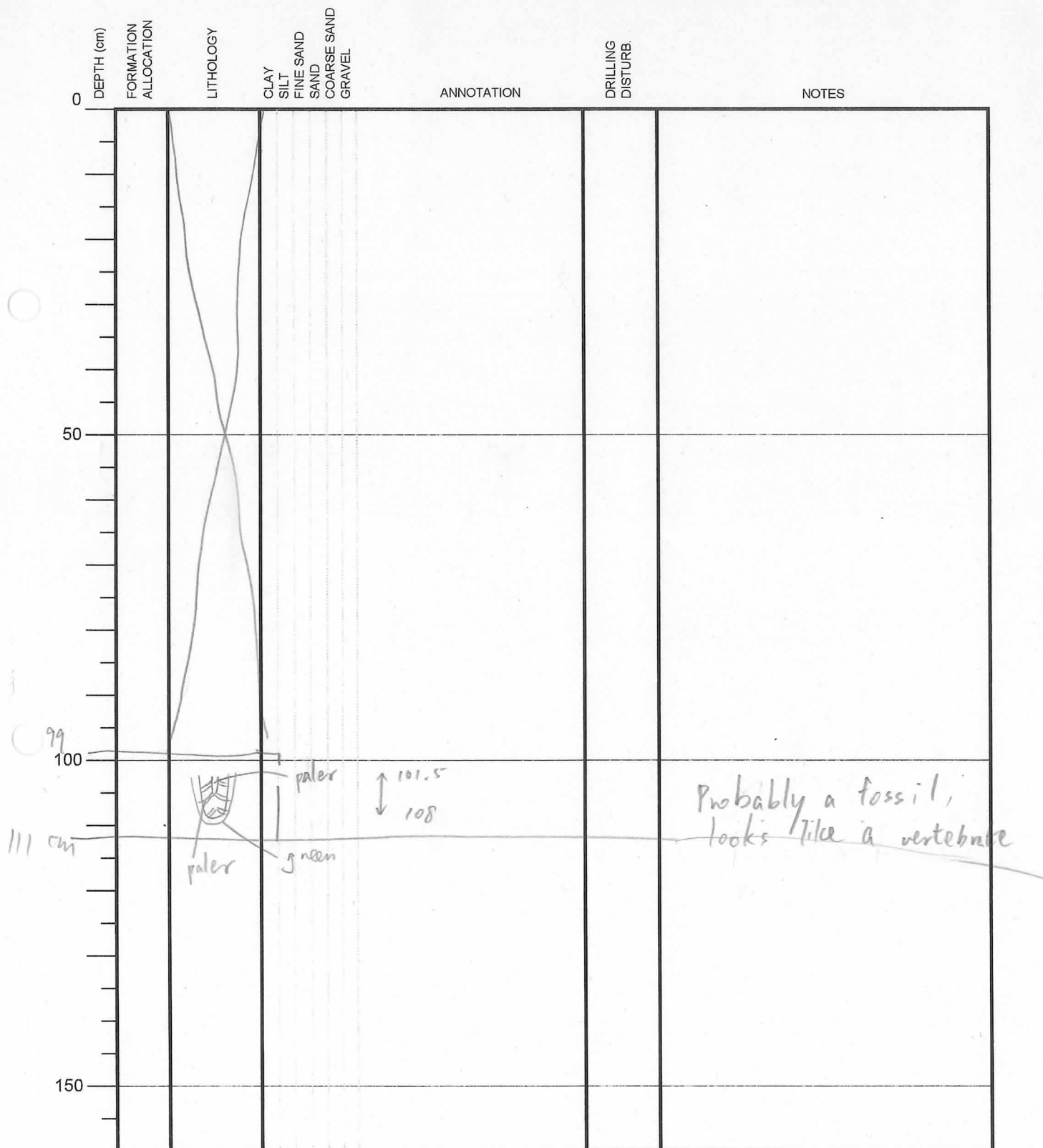
International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 59R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

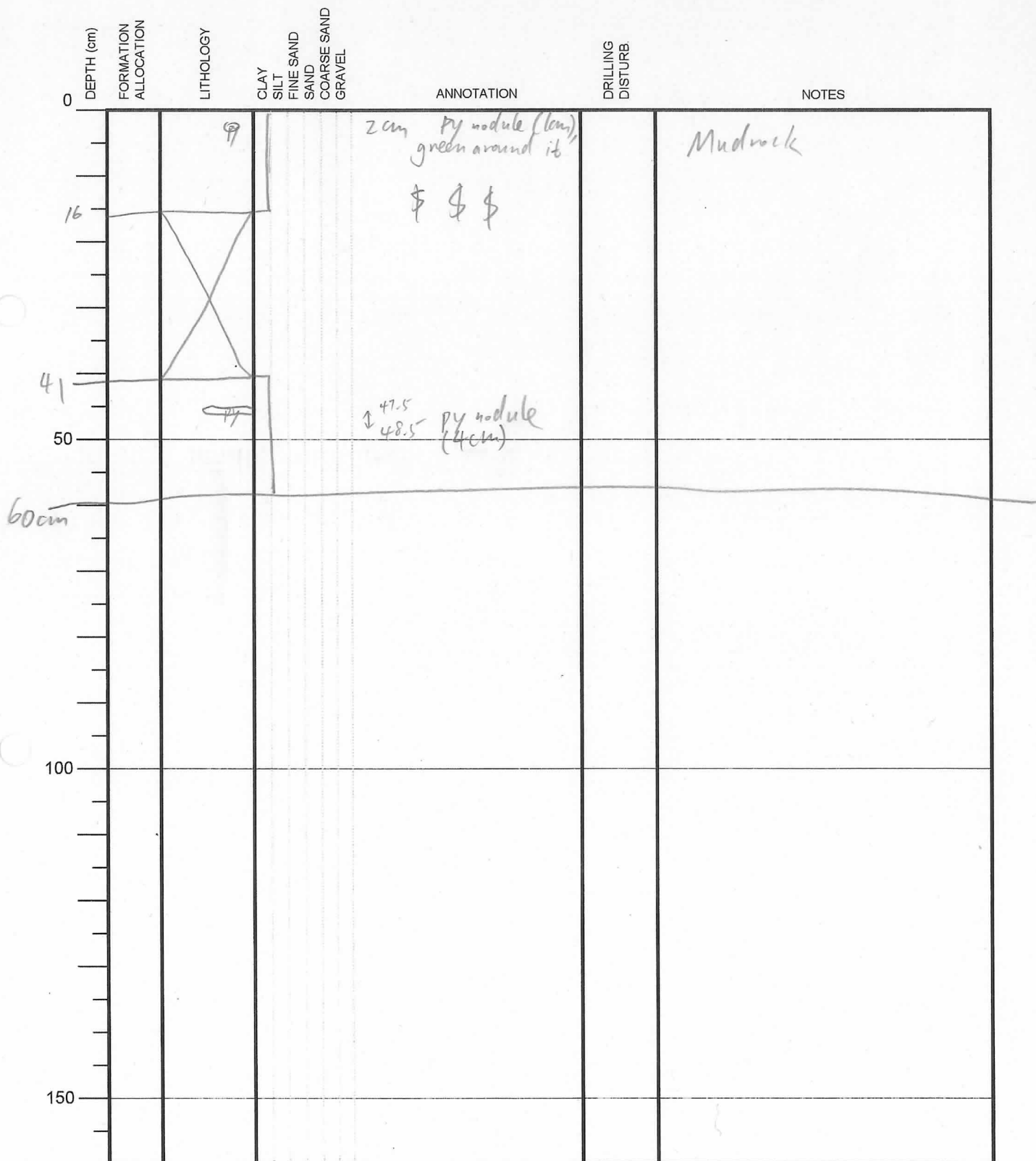
Visual Core Description

NO.

DATE: 7/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 59R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 59R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
8				\$\$\$		Mudrock
13		bneccia			↓ breccia	
32				32 py nodule (2cm)		
50						53 ↓ paler in XCT, but 60 just bioturbation (heavy). Caronte is high (in burrows)
86				69 horizontal burrow w/ purple bands at the edges		
100						
141cm						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 59R

SECTION: 5

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				\$\$\$		Mudrock
50						
68						
80.5cm						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 59R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0				\$\$\$		
37				36.5 py nodule (3mm)		Mudrock
41.5						} Cal. mudrock, paler in colour w/ the yellowish carbonate.
45cm						Maybe it's heavily burrowed instead of the matrix being carbonate
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 60R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
19				\$\$\$		Mudrock Burrows largely filled w/ carbonate
50					ES	
100				92 ← 108	92 Breccia but not too bad 108	
116cm						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: ⁷10/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 60R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
5.5						
14				\$\$\$		Mudrock
25 cm		calcareous fragments				
		2 cm x 2 cm (14-16)				
50						
100						
150						

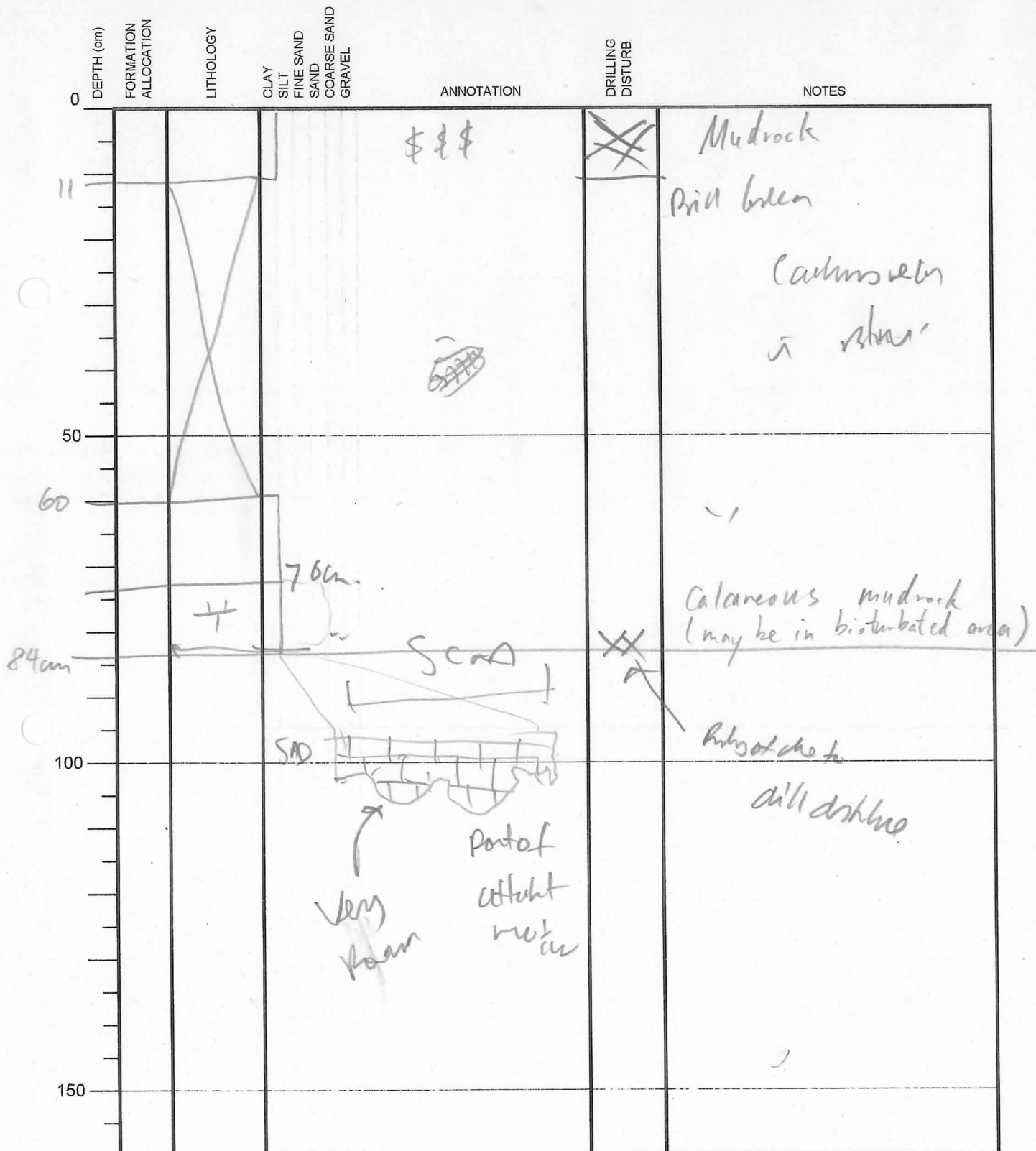
International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/16/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 61R
SECTION: 1
TOP DEPTH (m CSF): 747.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



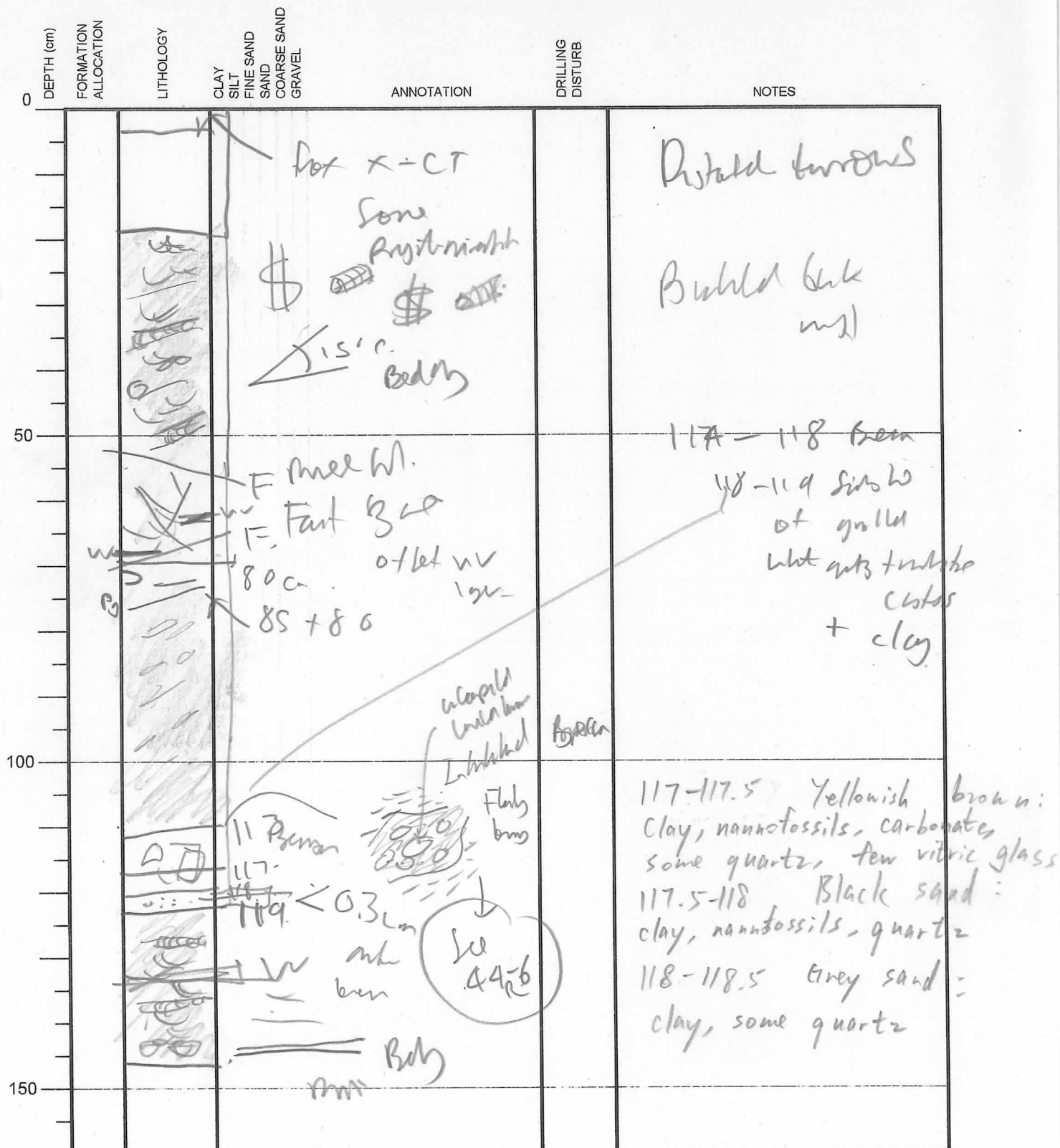
International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 61R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



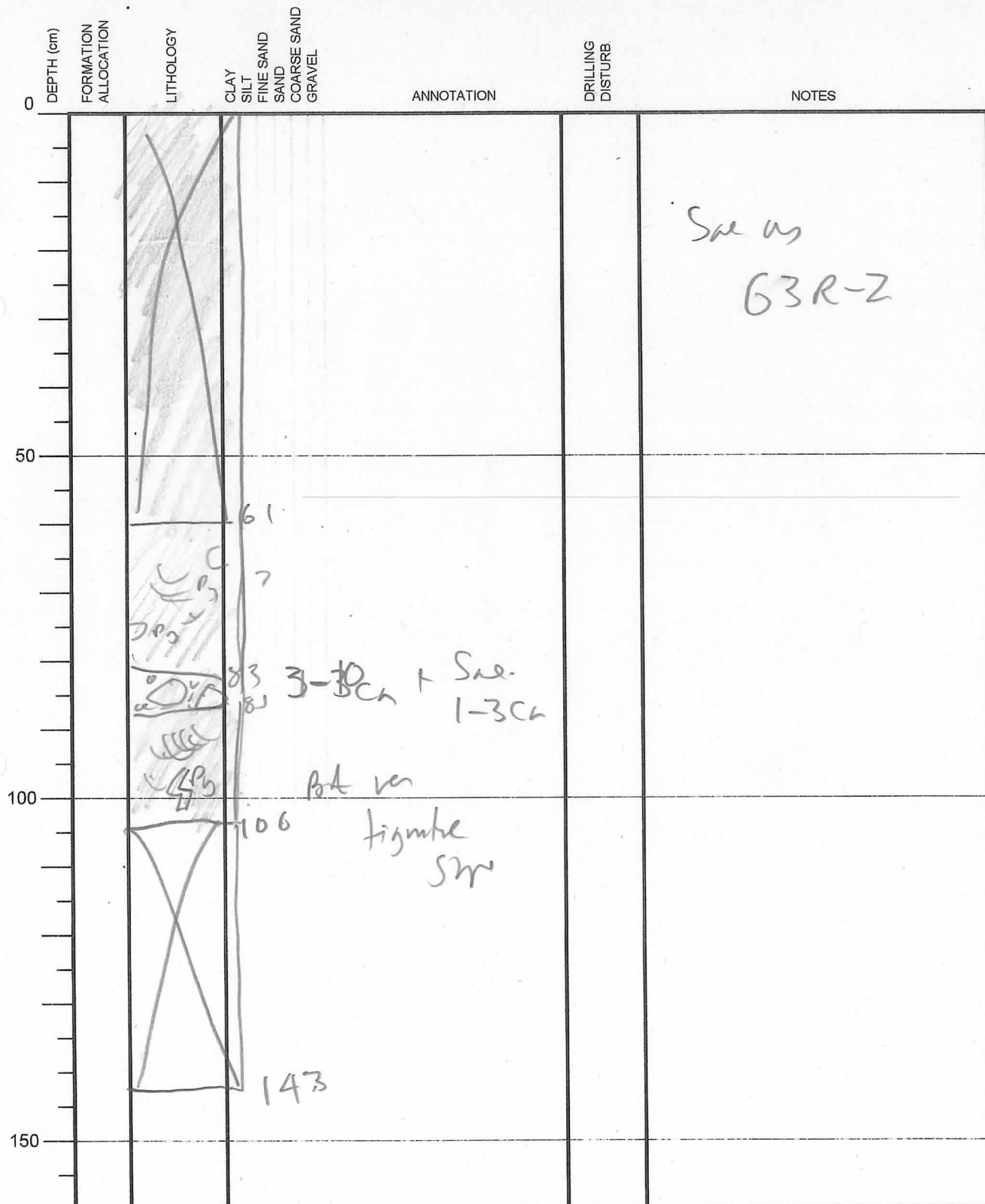
International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 63R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 6/10/2016
LOGGED FROM X-CT: YES / NO



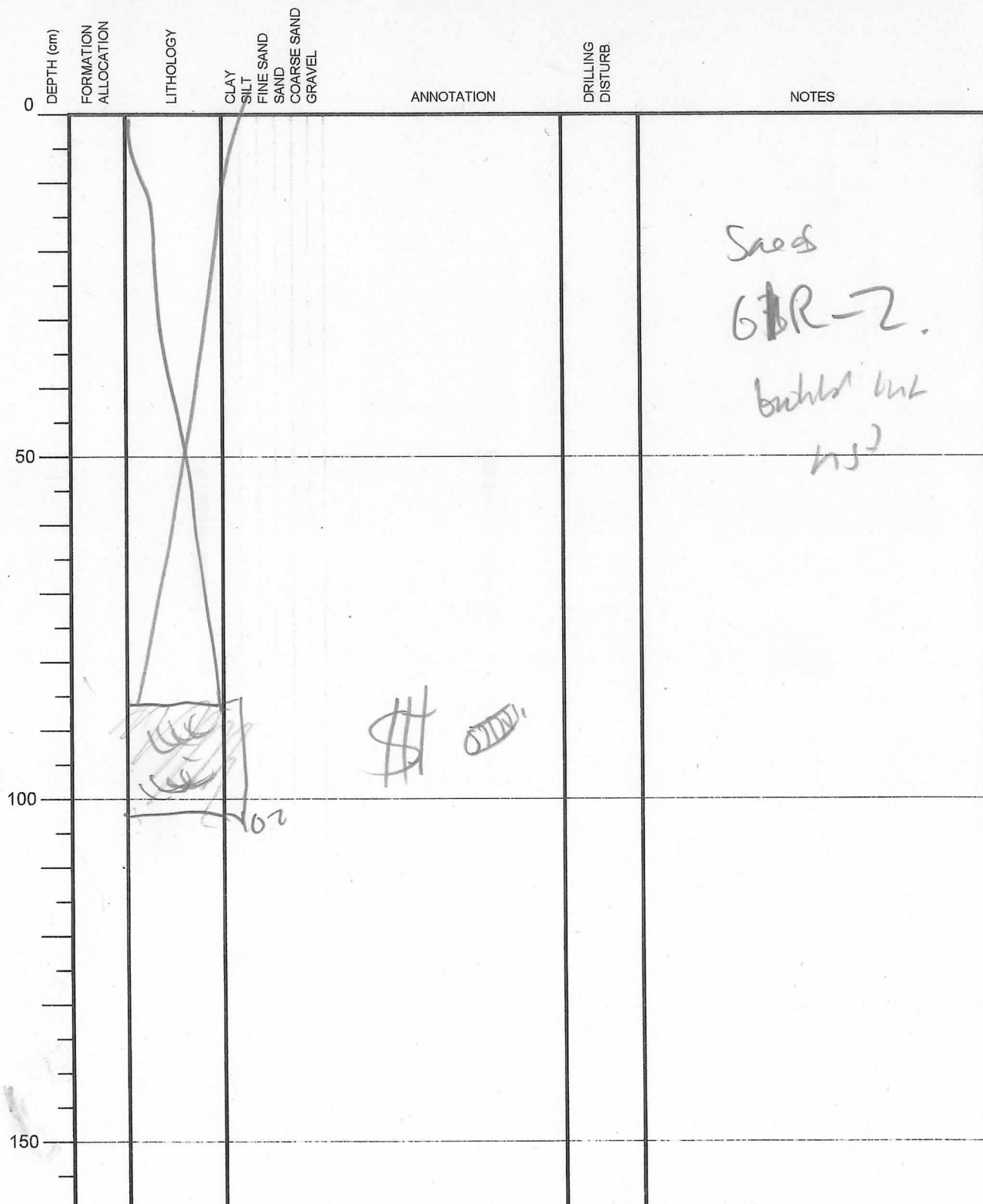
International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/16 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: ~~61R~~ 61R
SECTION: 12 4
TOP DEPTH (m CSF):

OBSERVER: SPB
ENTERED INTO J-CORES (DATE): 6/16 / 2016
LOGGED FROM X-CT: YES / NO





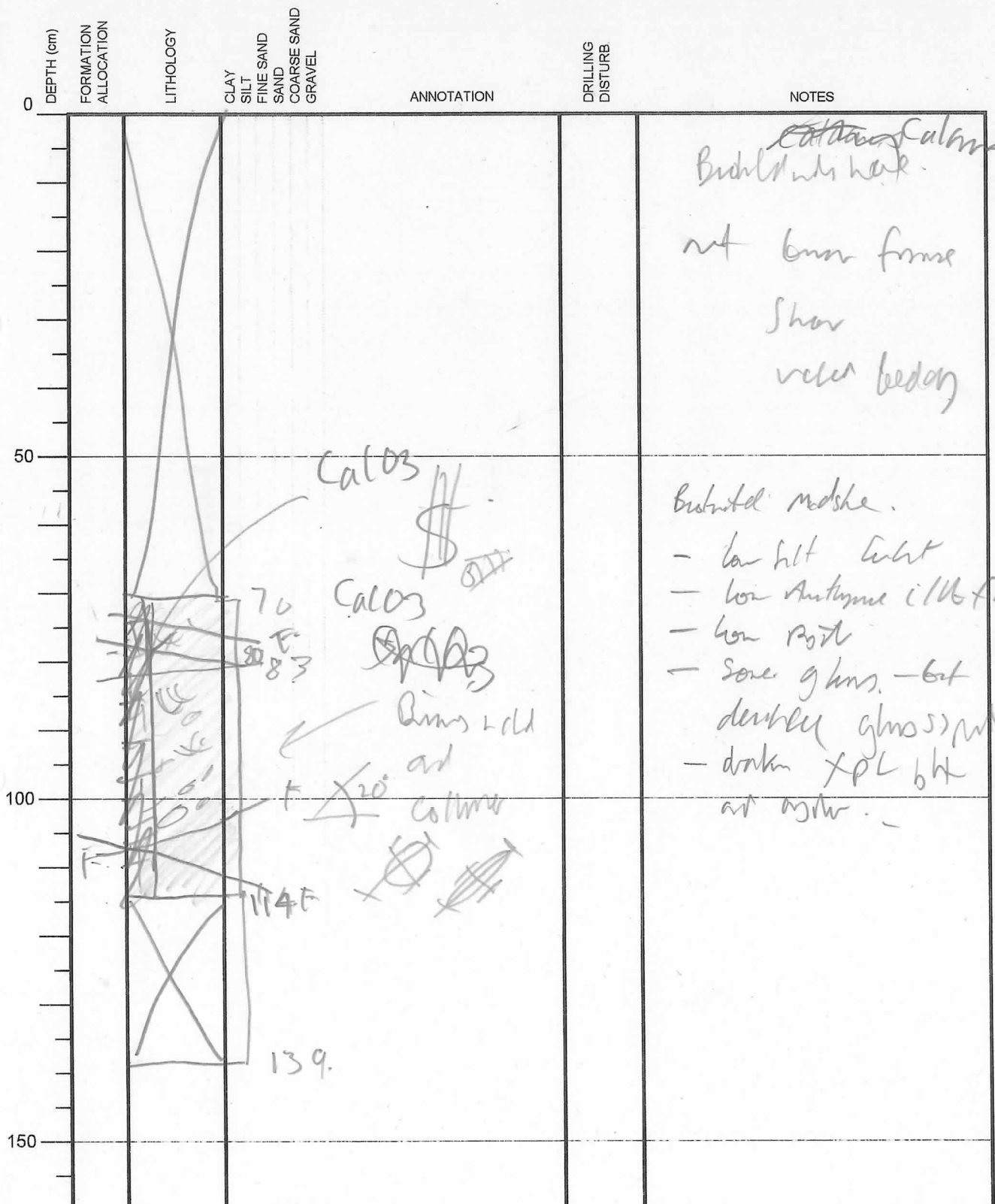
International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/14/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 62R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 7/14/2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 62
SECTION: 3 + CC.
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
10						
20						
30						
40						
50						
60						
70						
80						
90						
100						
110						
120						
130						
140						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 63R.
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 6/10/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
22				22cm 15°	X	Bricklet not seen as 61R-2
30				30cm default starts Caco ₃ more abundant than.		0-22cm Drill Borehole
46				46cm Sediment Shale		22-30 Bricklet not
64				64cm Clasts nodules fit together without offset		30-46 Caco ₃ cement not
89				89cm angular petrographic fabric - white		46cm - 64cm not
100						64-89cm Inter-fabric Borehole
150						

NO.

LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 64R

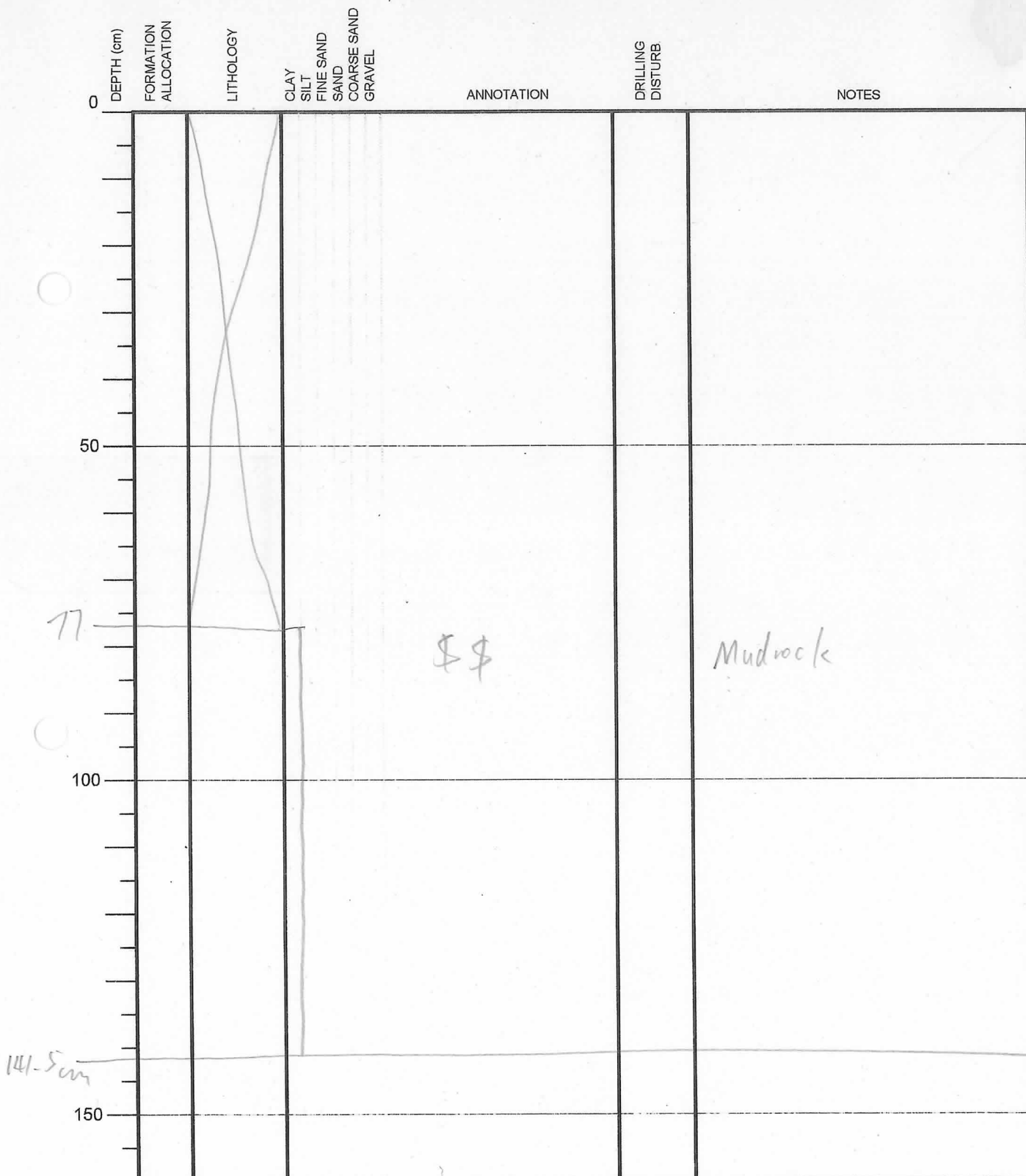
SECTION: 1

TOP DEPTH (m CSF): 762.5

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: # 64R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
7				\$\$\$		Mudrock
34cm						
50						
100						
150						

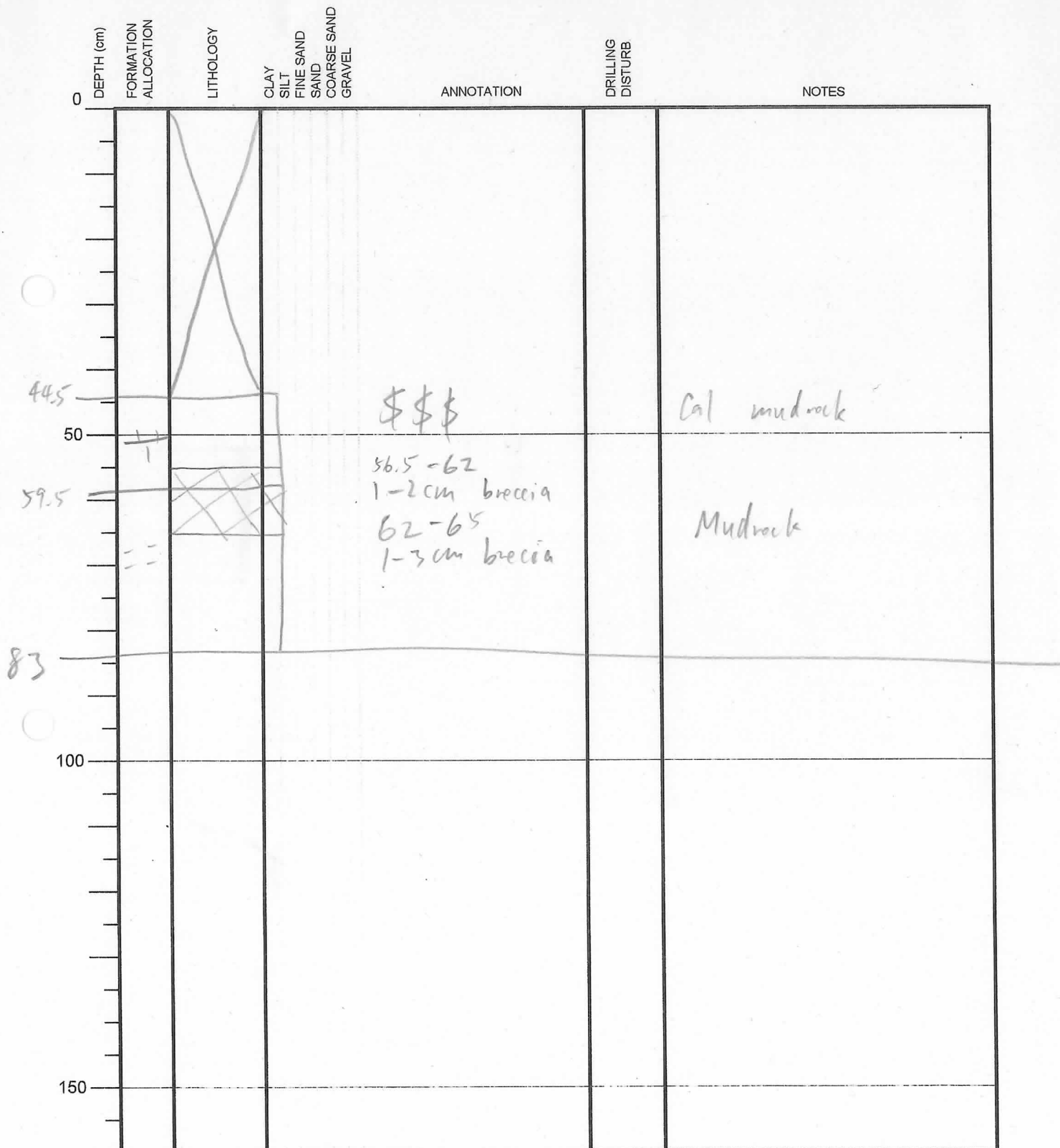
International Ocean Discovery Program Visual Core Description

NO

DATE: 8/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 65R
SECTION: 1
TOP DEPTH (m CSF): 766.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



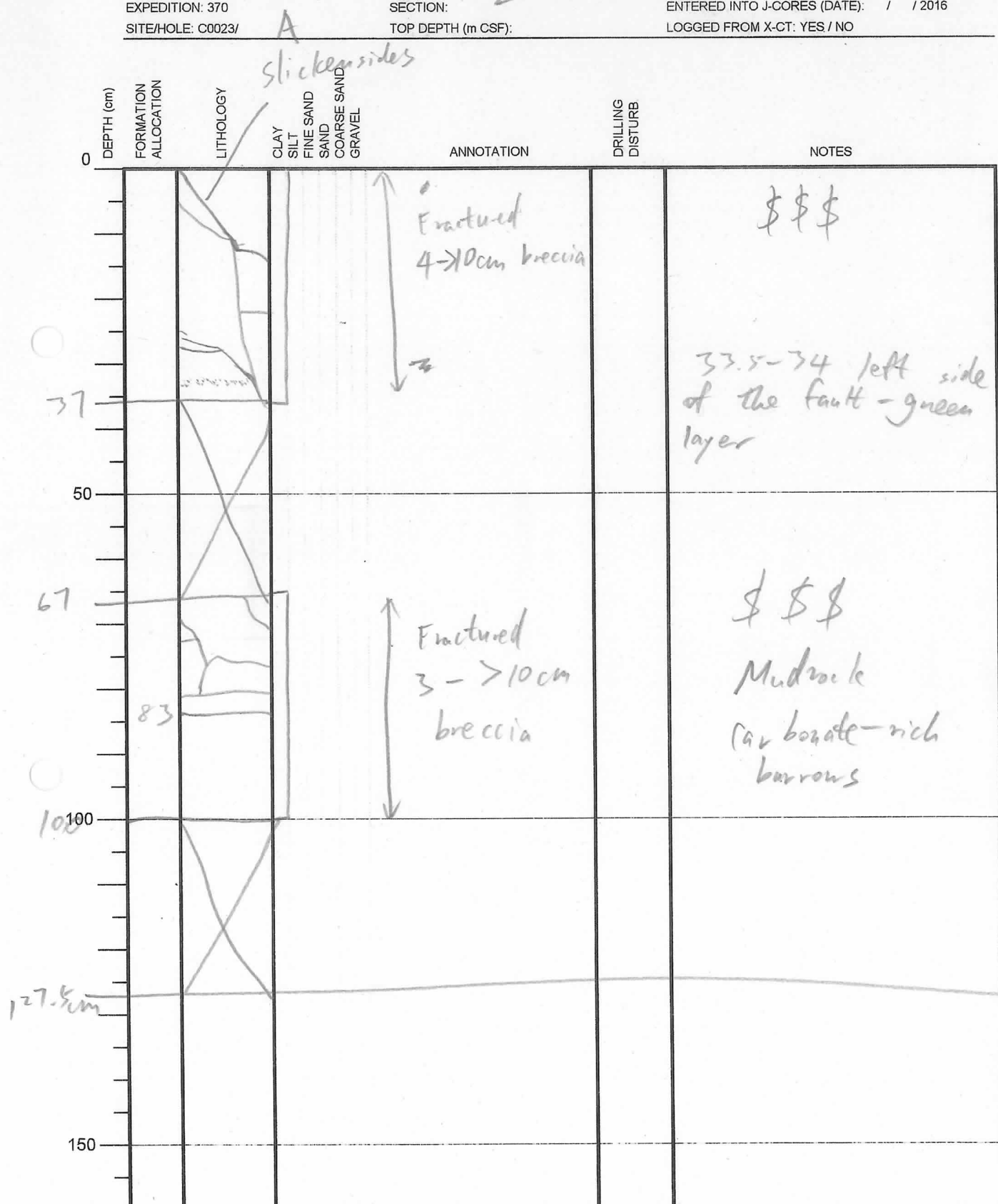
International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 65R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



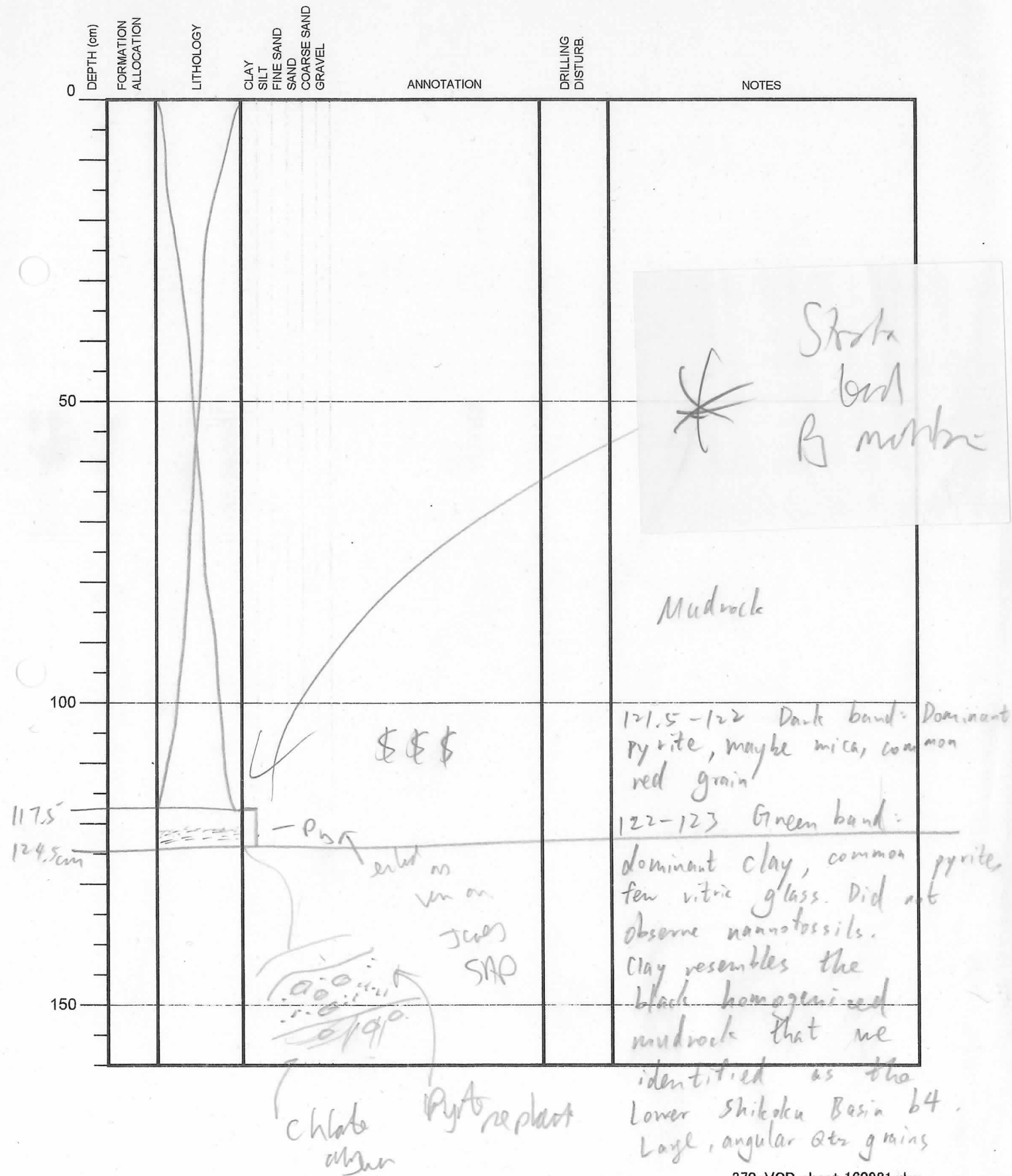
International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 66R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



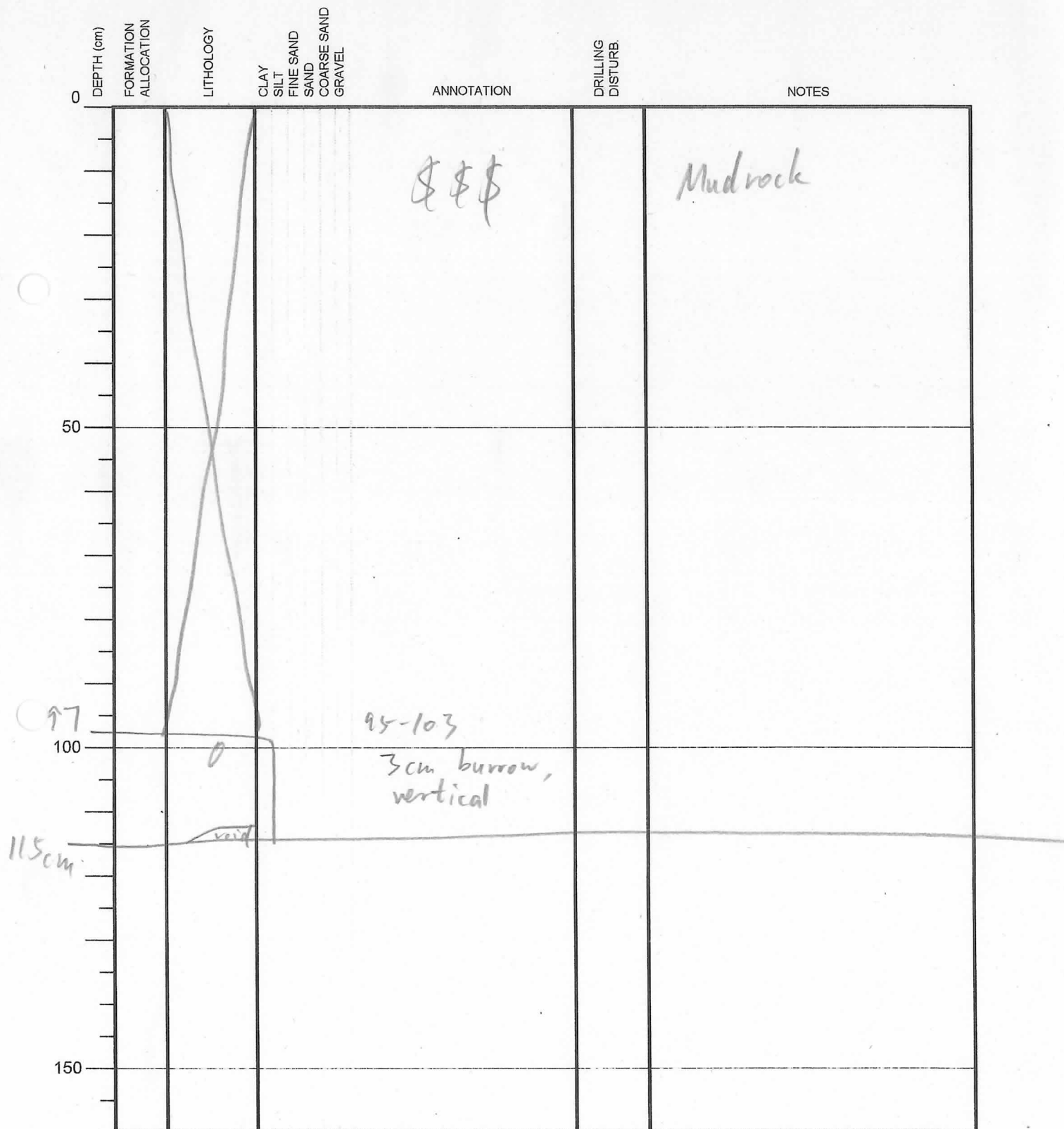
International Ocean Discovery Program Visual Core Description

NO.

DATE: 810 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 66R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 66R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
				\$ \$ \$ 16-34 a healed joint		Mudrock
49cm 50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 67R

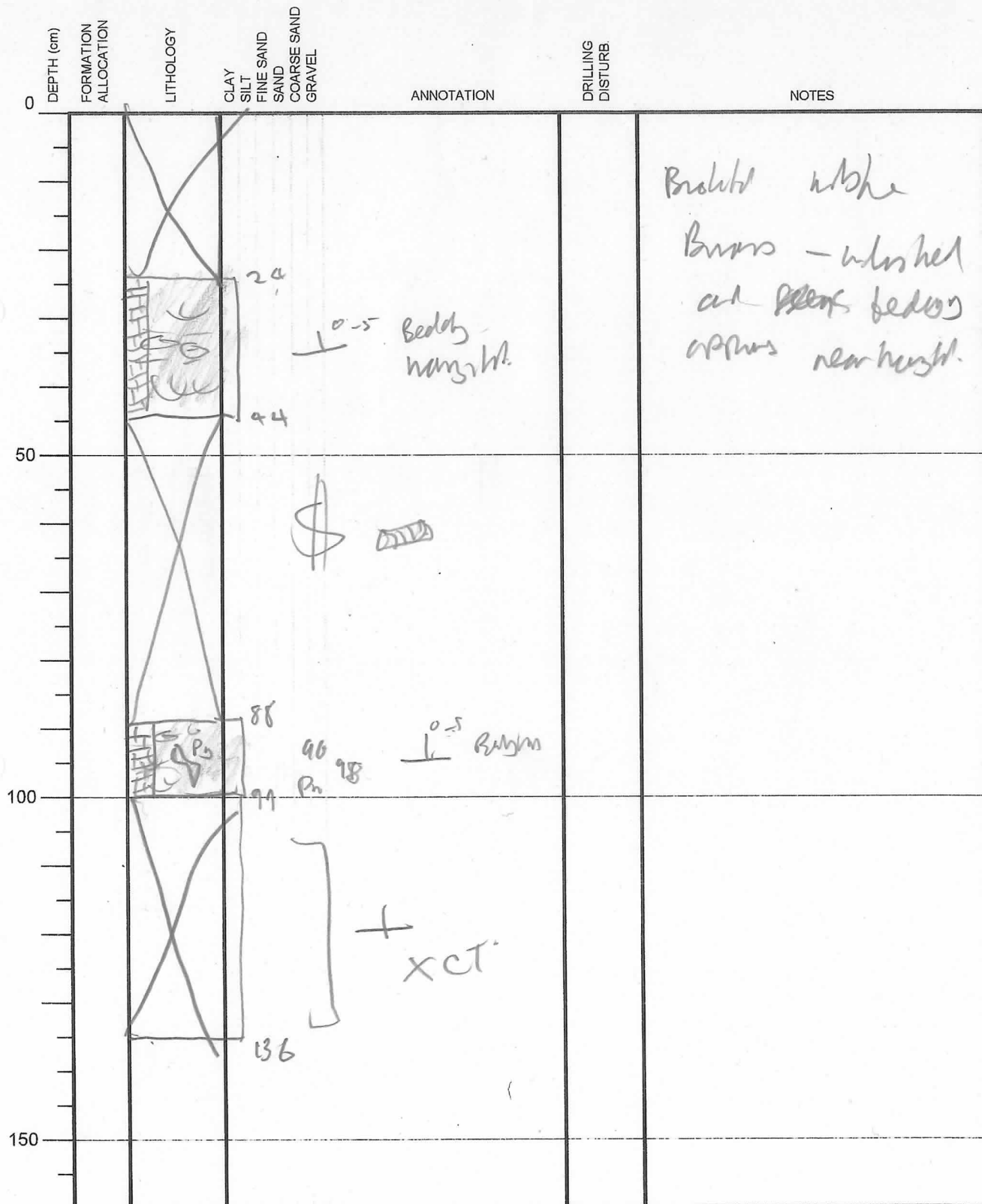
SECTION: 2

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



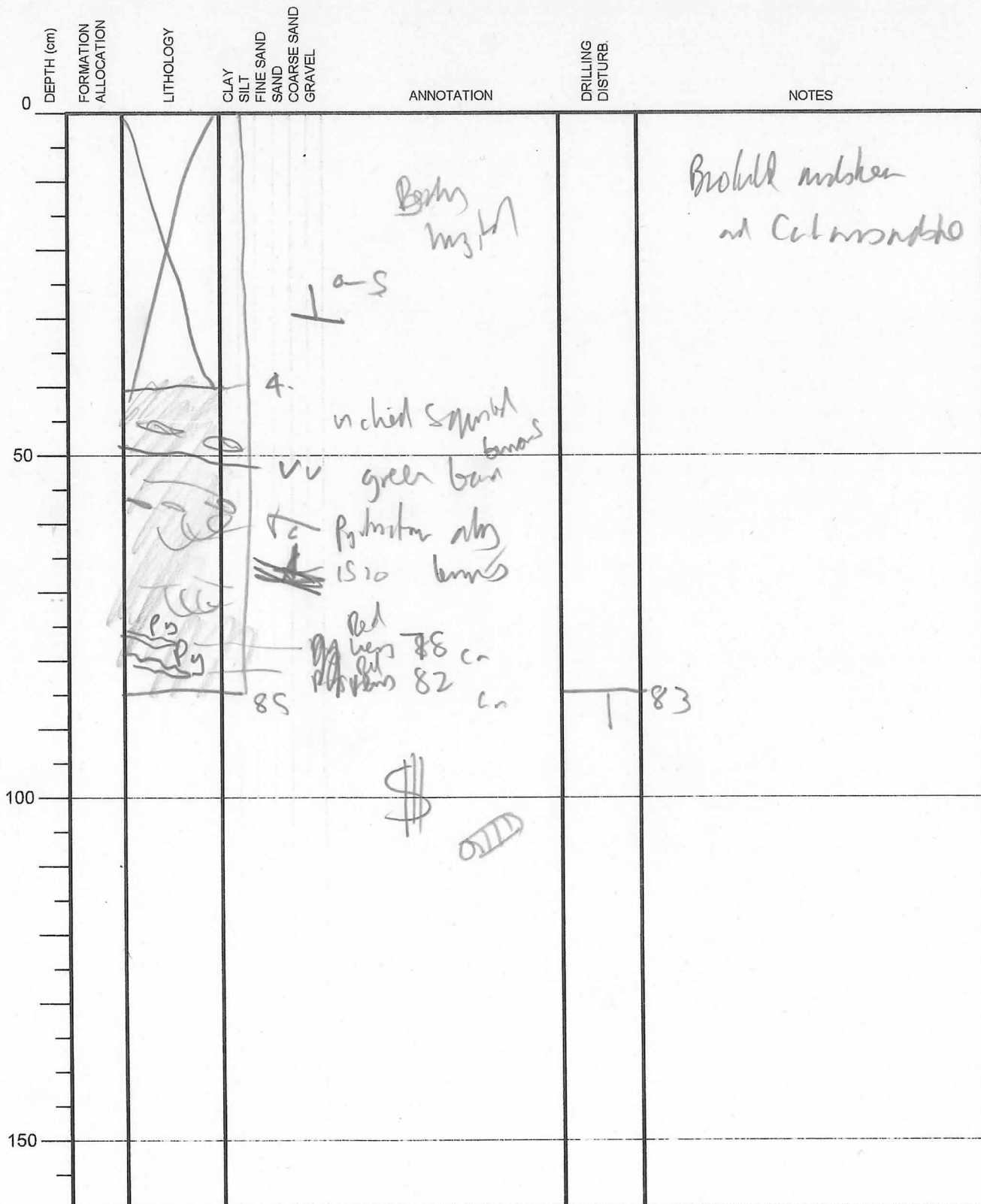
International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/17/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 67R
SECTION: 3 + CC
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): 8/19/2016
LOGGED FROM X-CT: YES/NO



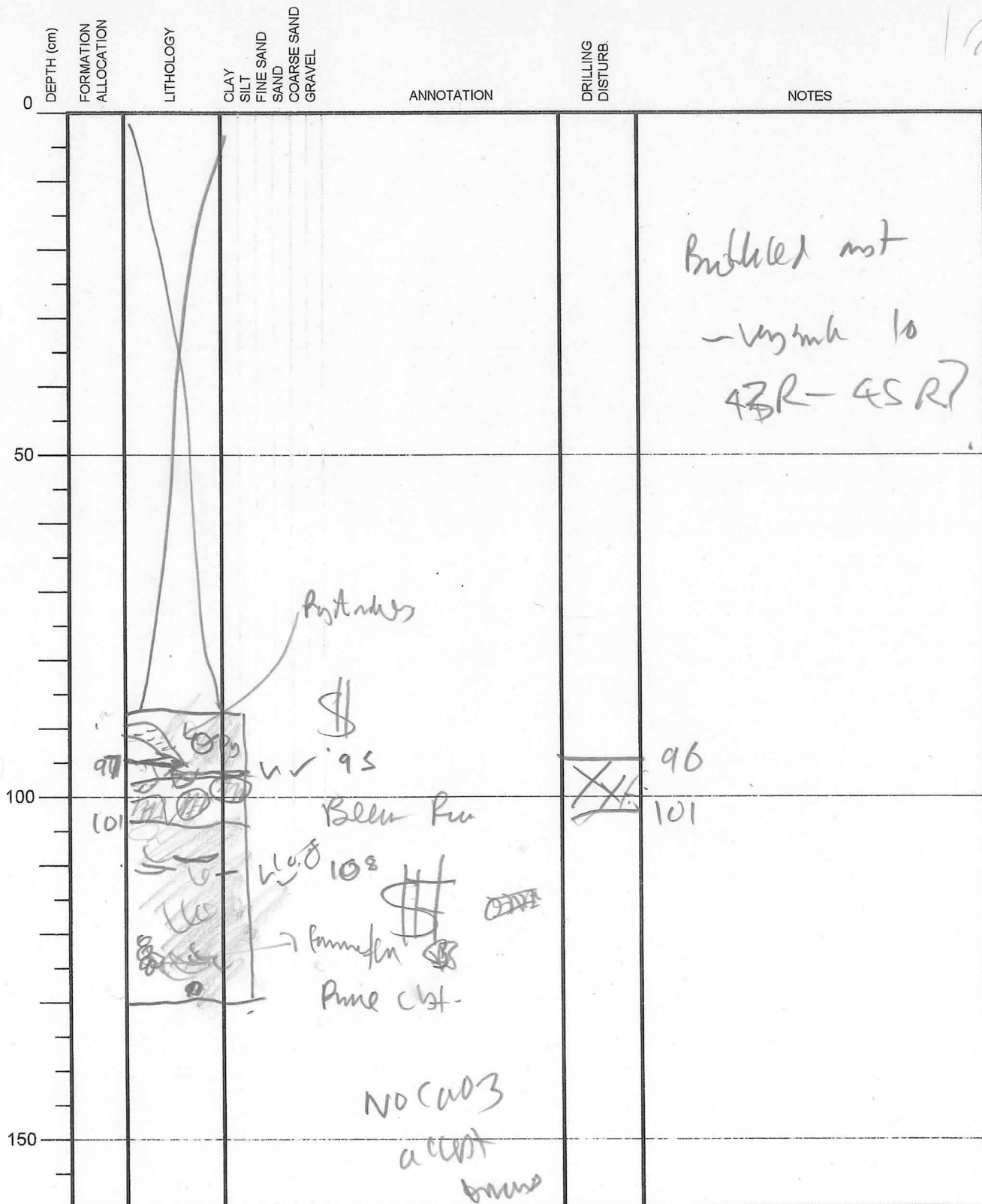
International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 68R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 8/10 / 2016
LOGGED FROM X-CT: YES / NO



test for c.c.

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 69R

SECTION: 1 + cc

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				6 cm		
50				60 CaCO ₃ Xcf 101		discard from IWT
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 69R
SECTION: 2.
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
						Bkld msh.
				X-CT		Intt. X-CT msh to lith
50				FeS ₂		88% Calcareous horizontal msh Bedding
				86cm + 8cm 89cm Pmsh CaCO ₃ K93m		
100				108m no CaCO ₃ no cm		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 70R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE) 8/10/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
10						
20						
30						
40						
50						
60						
70						
80						
90						
100						
110						
120						
130						
140						
150						

International Ocean Discovery Program Visual Core Description

NO.

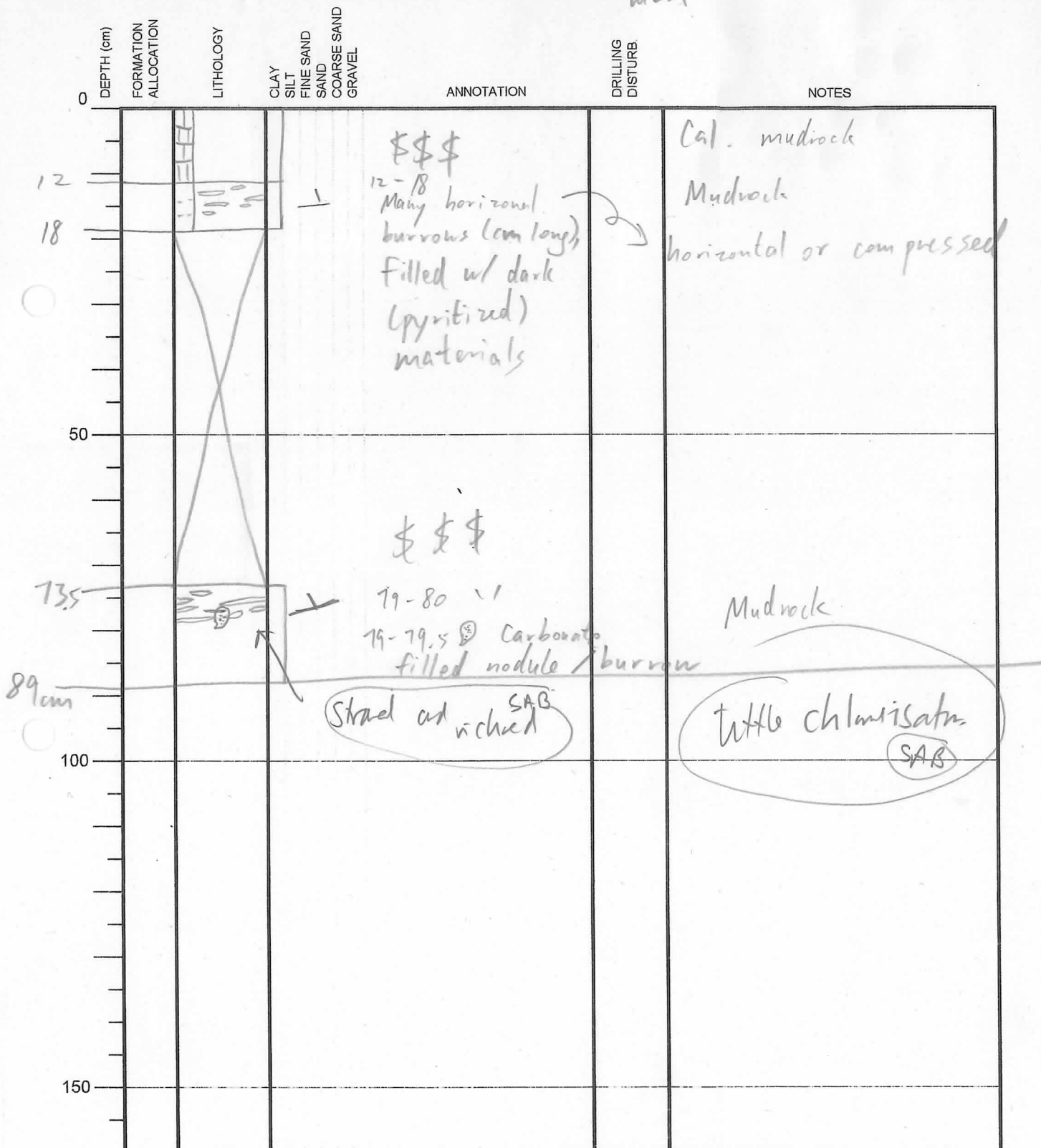
DATE: 8/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 71R
SECTION: 1
TOP DEPTH (m CSF): 793-798

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

A

mbst



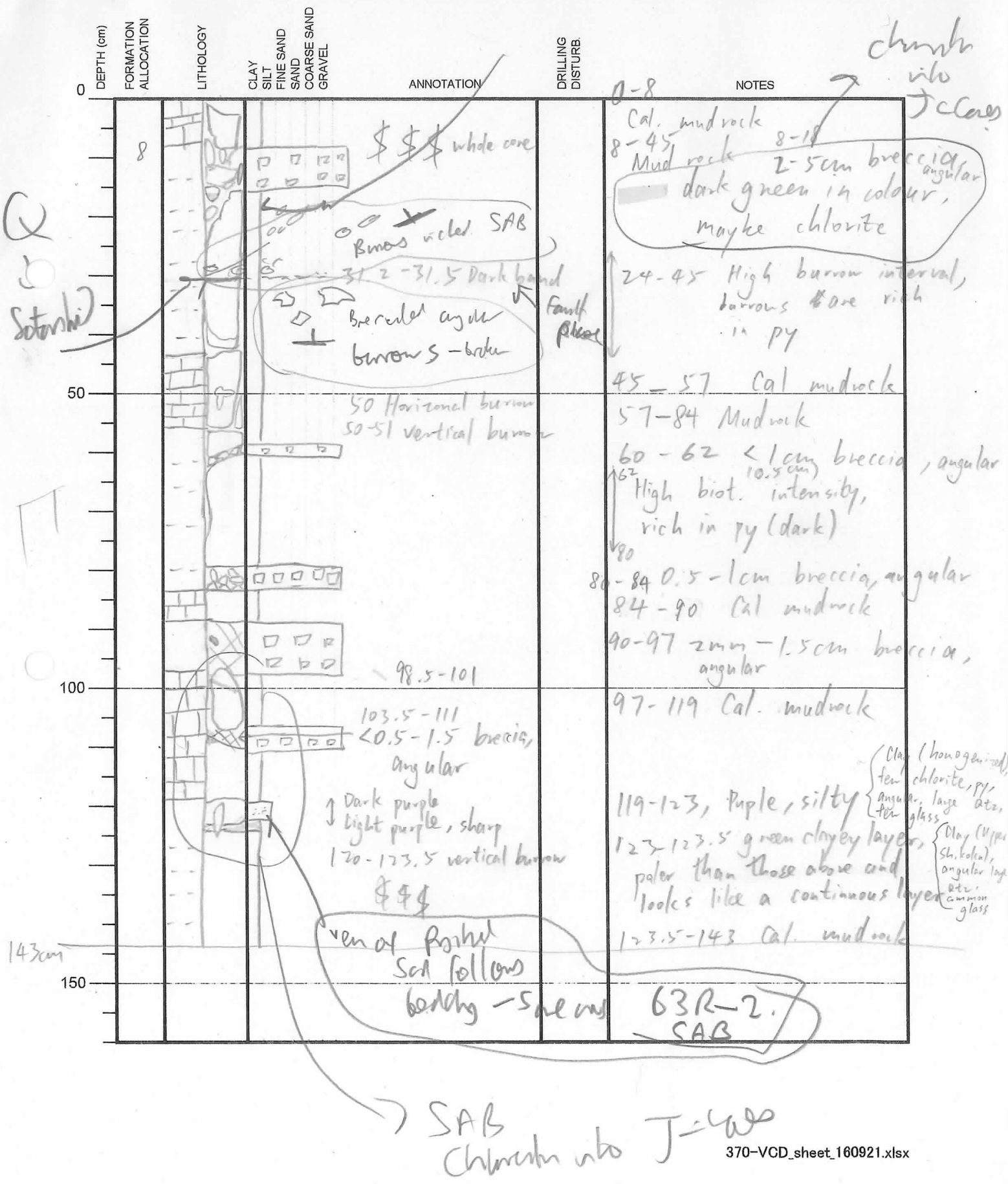
International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 71R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 71R

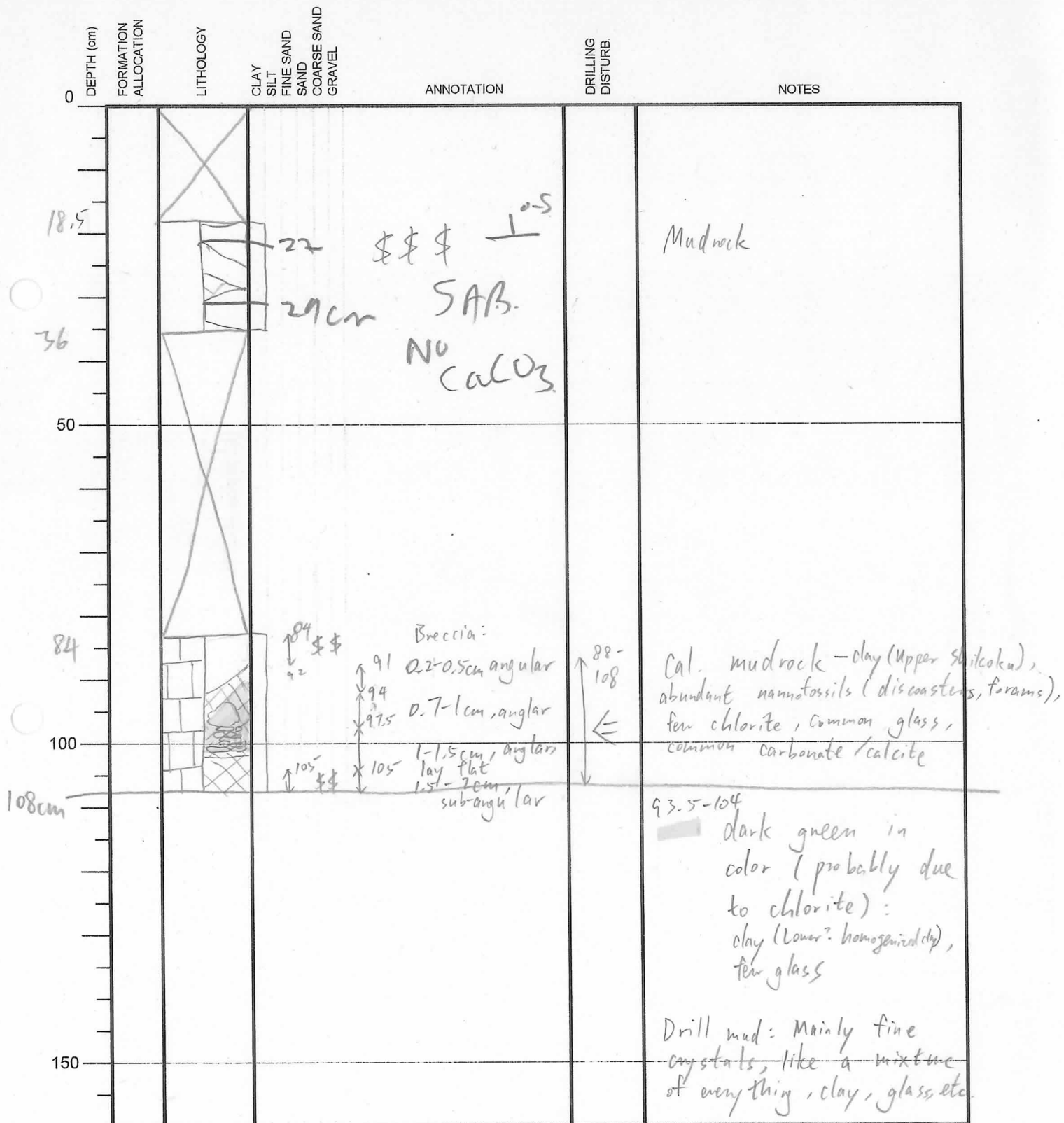
SECTION: 3

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 71R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
15.5 cm				\$\$\$		Mudrock
50						
100						
150						

NO.

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 8 / 14 / 2016
LOGGED FROM X-CT: YES / NO



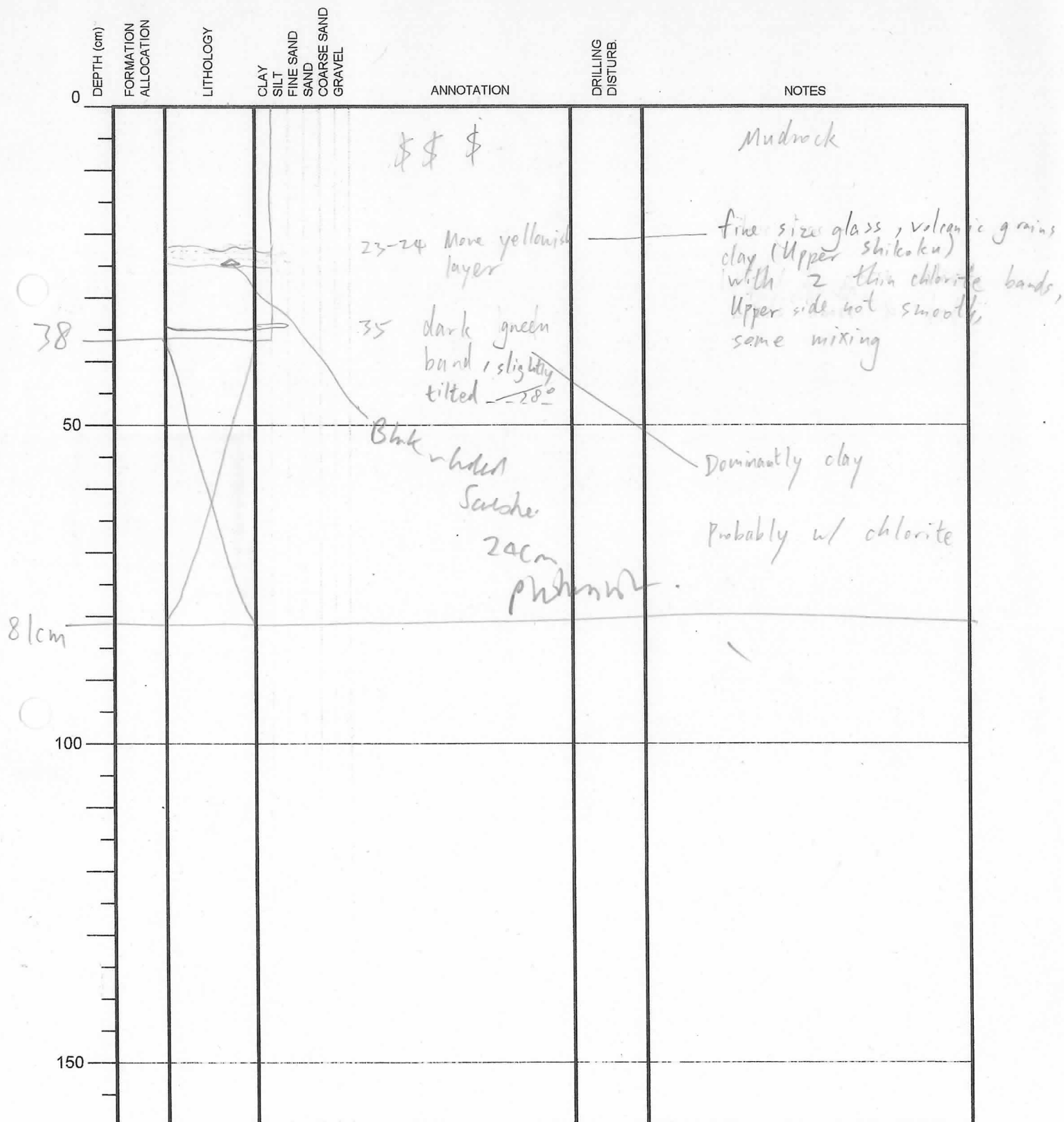
International Ocean Discovery Program Visual Core Description

NO

DATE: 10/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 75R
SECTION: 1
TOP DEPTH (m CSF): 812

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



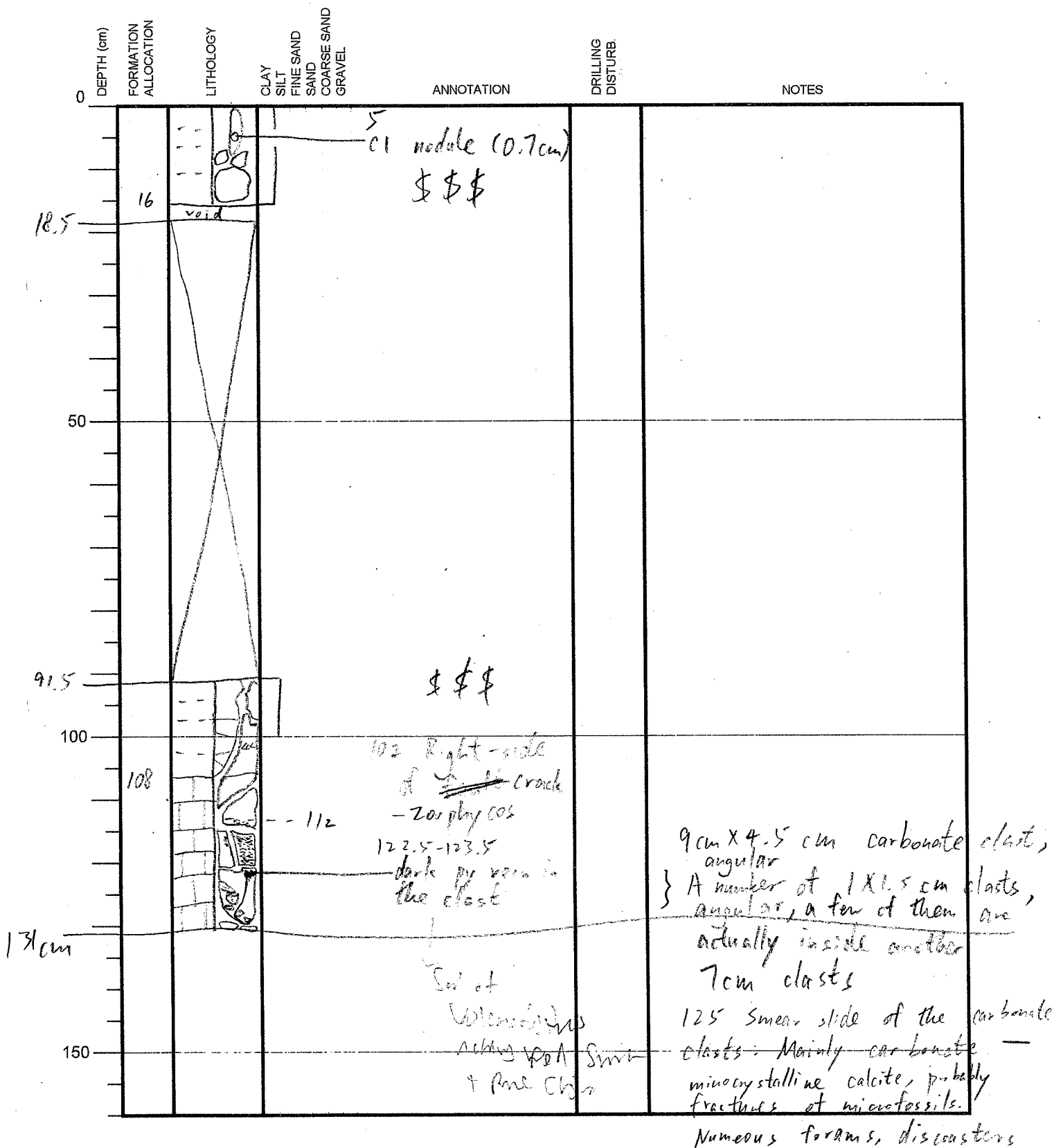
International Ocean Discovery Program Visual Core Description

NO.

DATE: 10/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 76R
SECTION: 1
TOP DEPTH (m CSF): 816

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 10/10 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 76 R

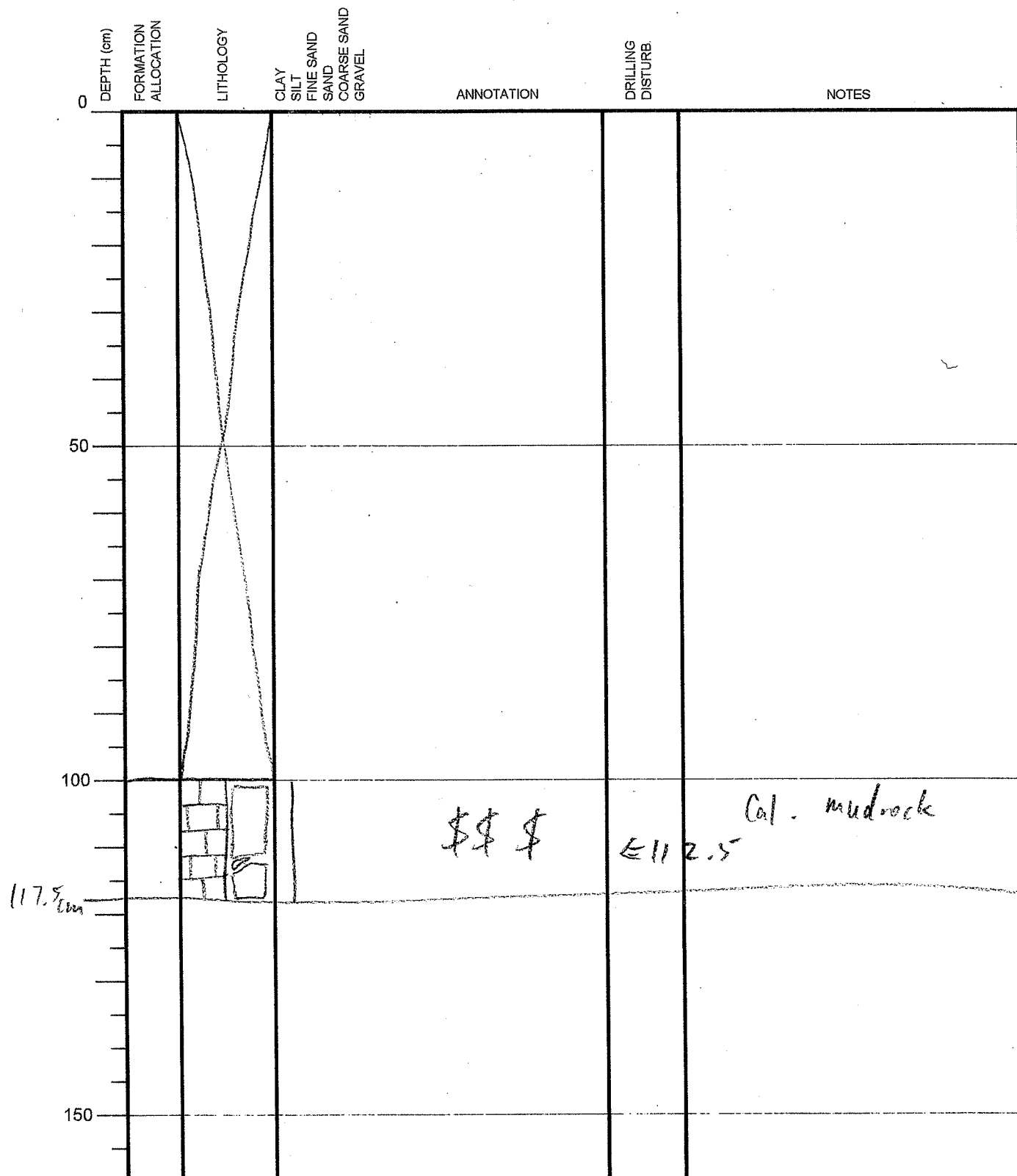
SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 10/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 77R

SECTION: 1

TOP DEPTH (m CSF): 820

OBSERVER: SAB

ENTERED INTO J-CORES (DATE): 10/10/2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Bright clst is Porto nodule.		Bright nato. Zr.
50				nato GF an spitting ho not nod		
60				74 S man 12 deep B...		
100				mmgs sh Coke Coke B...		
150				Remain fr. 77R-2.		

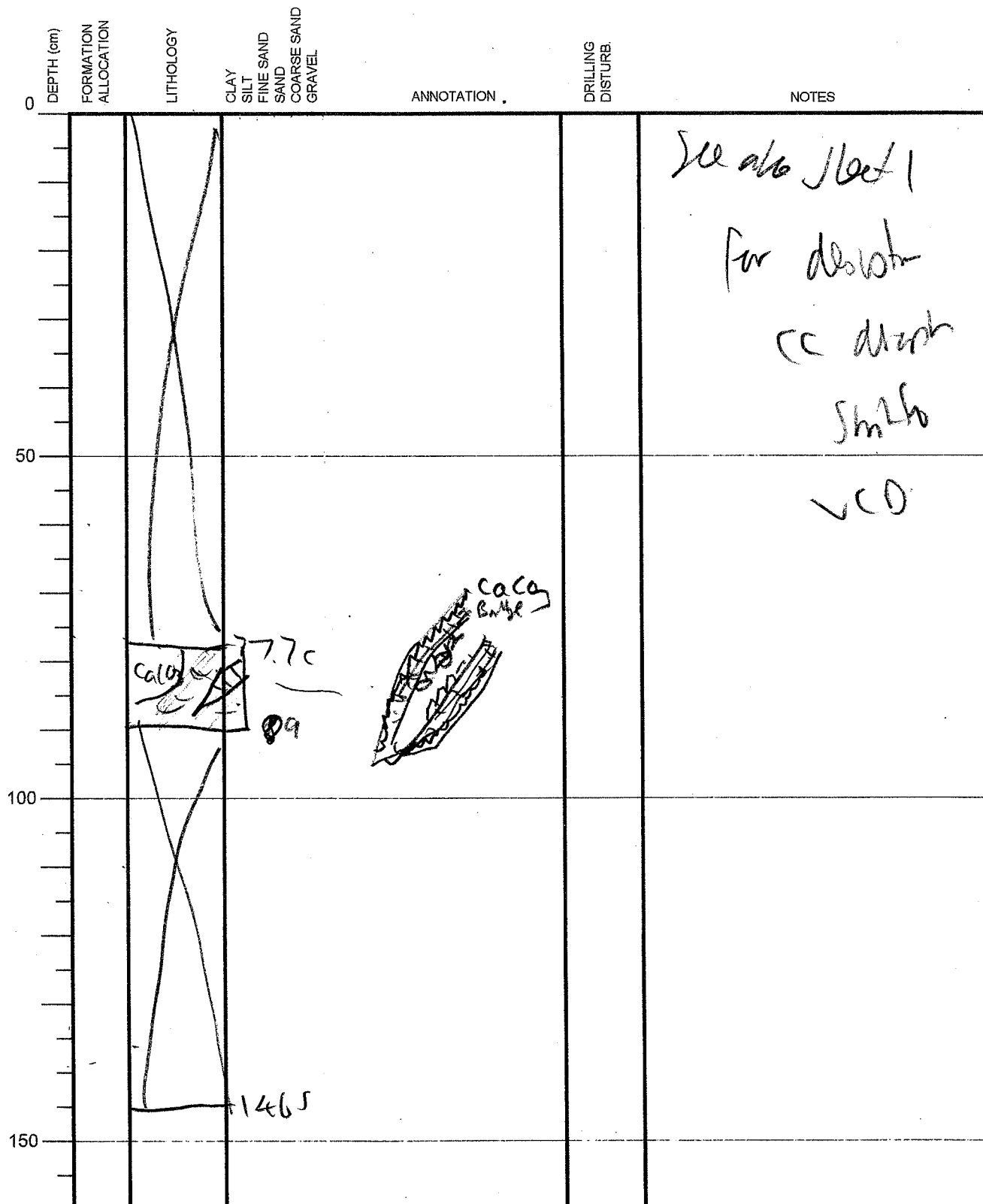
International Ocean Discovery Program Visual Core Description

NO.

DATE: 10/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: T2R
SECTION: 2
TOP DEPTH (m CSF): 820

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 10/10/2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 78R
SECTION: 1
TOP DEPTH (m CSF): 824

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

A

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
calcareous		calcareous		\$\$\$	} fill, subrounded	Mudrock
18,50cm						
50						
100						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 1/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 78 R

SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				9 \$\$\$ ↓ Breccia, angular 15 max 1.2cm		Mudrock
50						36/38 - 49 slightly cal. mudrock, w/ angular carbonate-rich fractured intraglasts, max 2 cm X 2 cm Mudrock
68				60 ↑ Breccia, max ↓ 0.3 x 0.5 cm, 68 angular	by drilling	
100						
138 cm						
150						

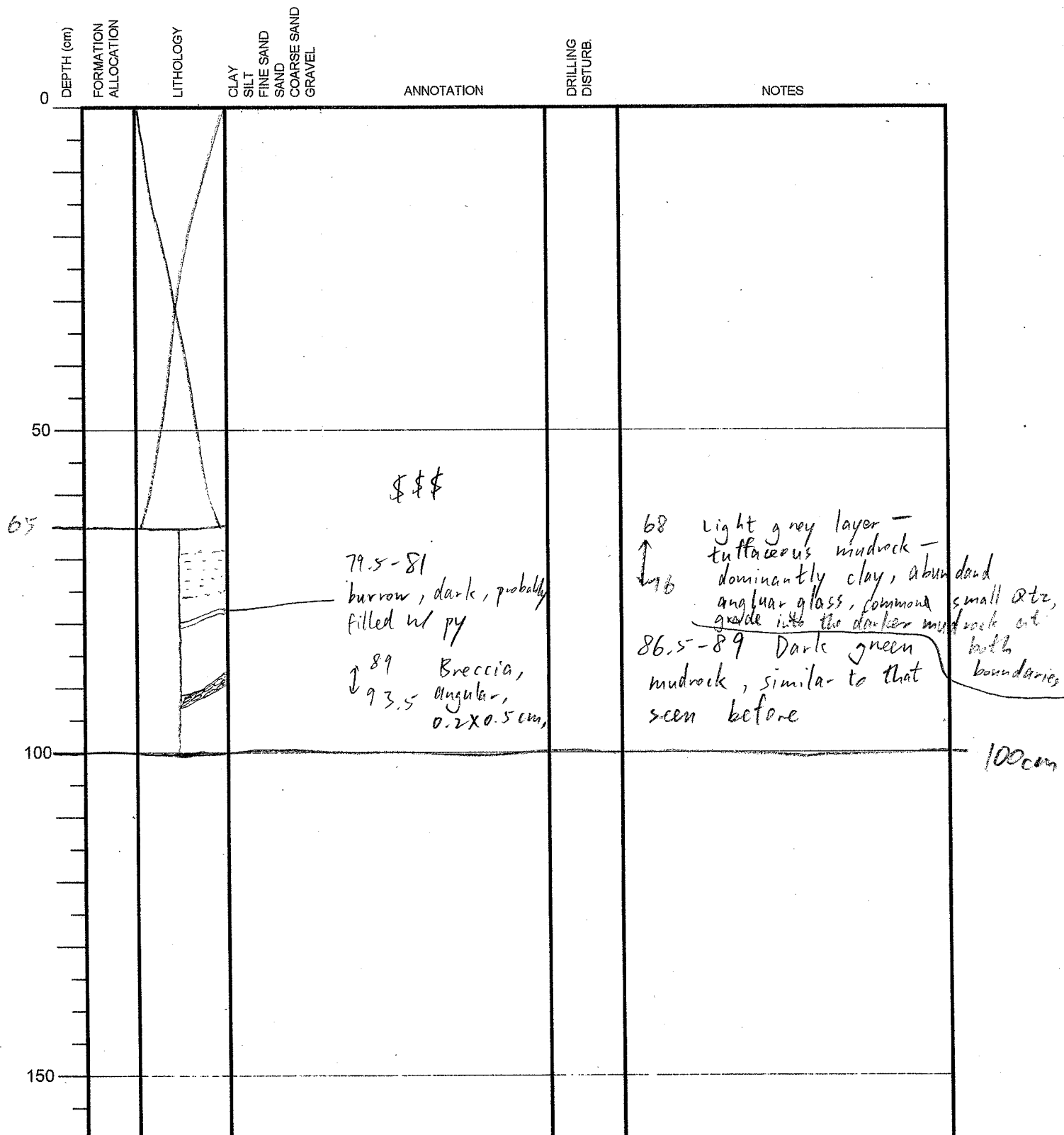
International Ocean Discovery Program Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 78R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



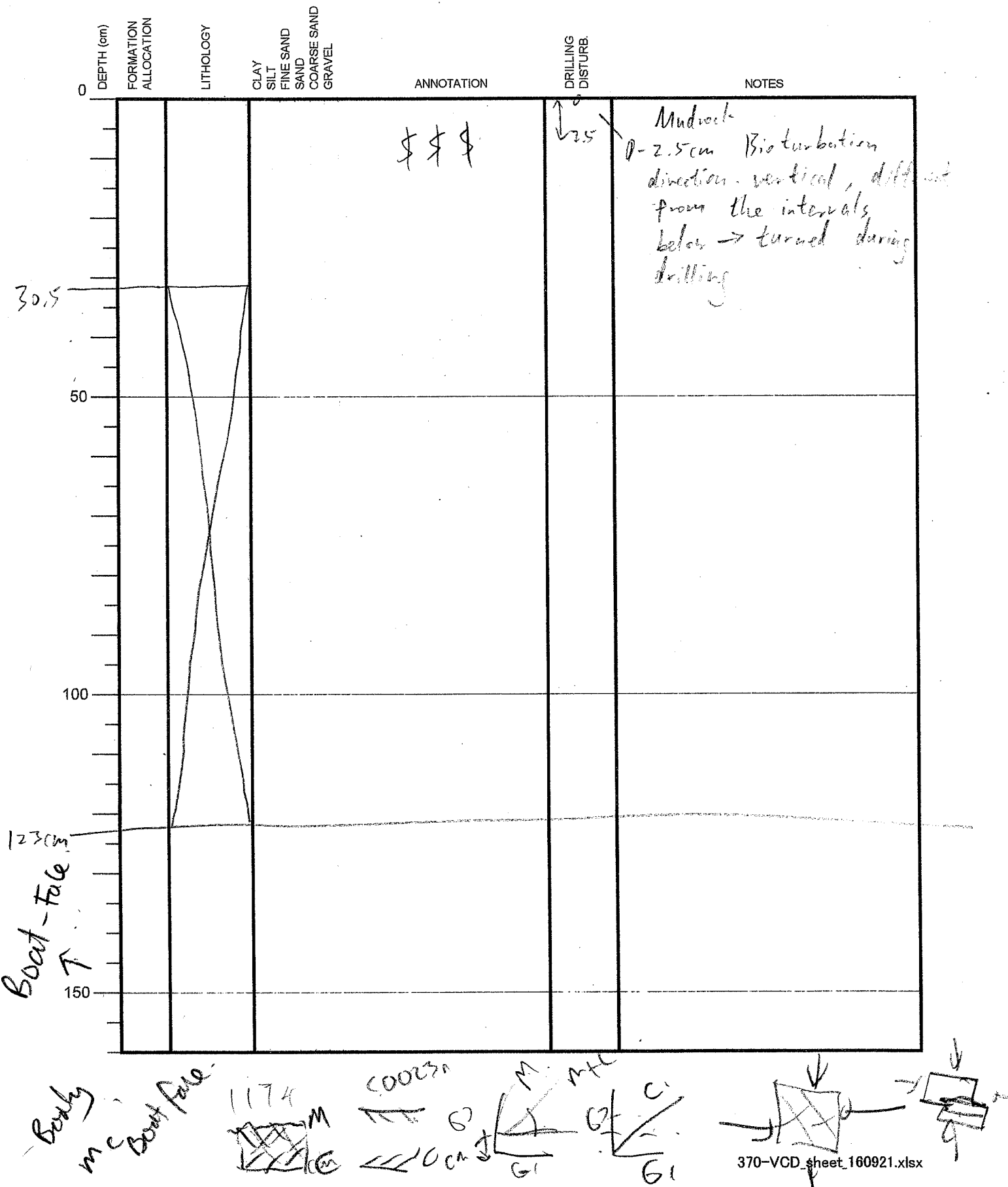
International Ocean Discovery Program Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 79R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

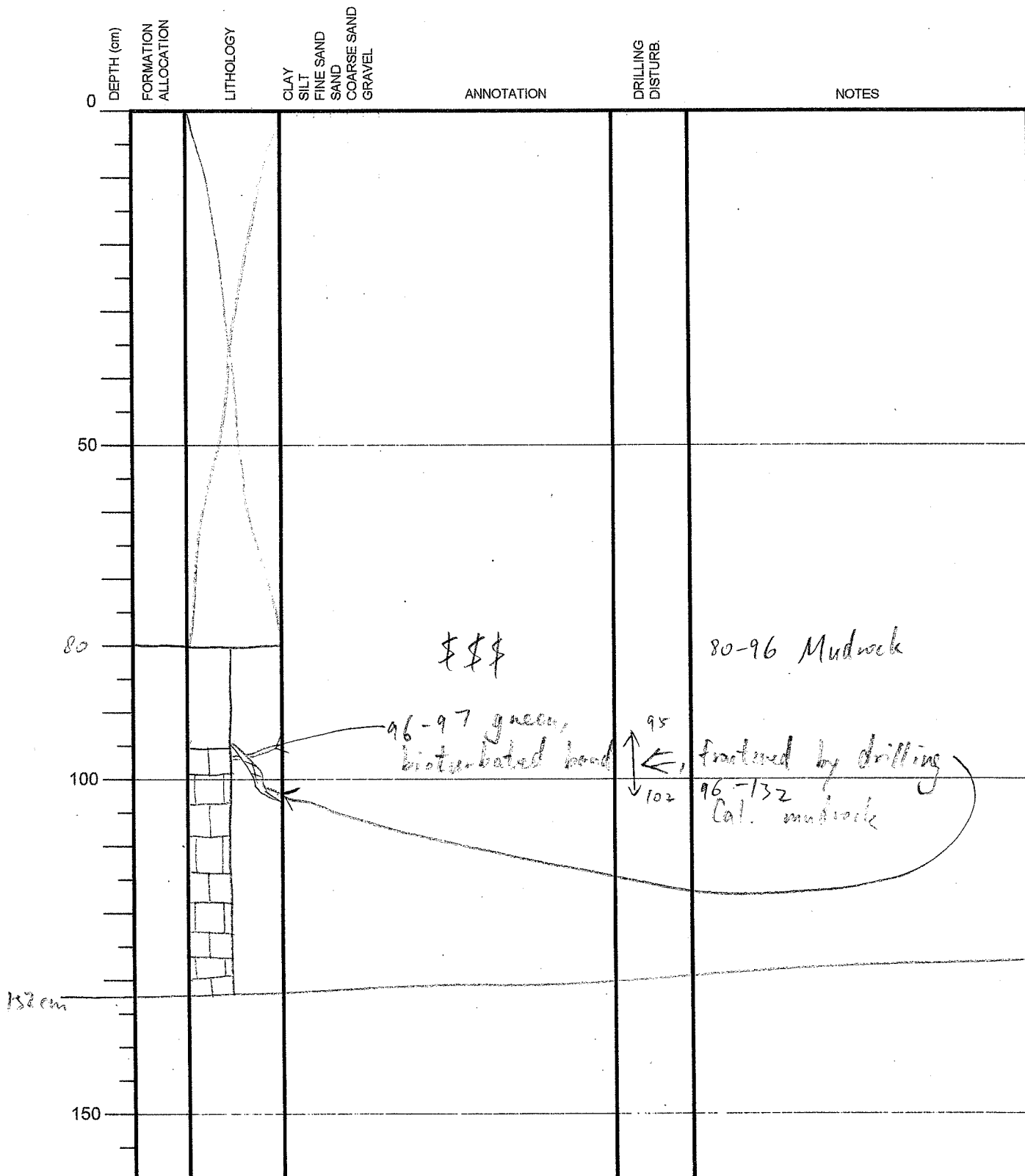
Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 79R
SECTION: Z
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



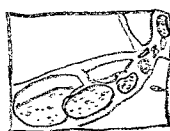
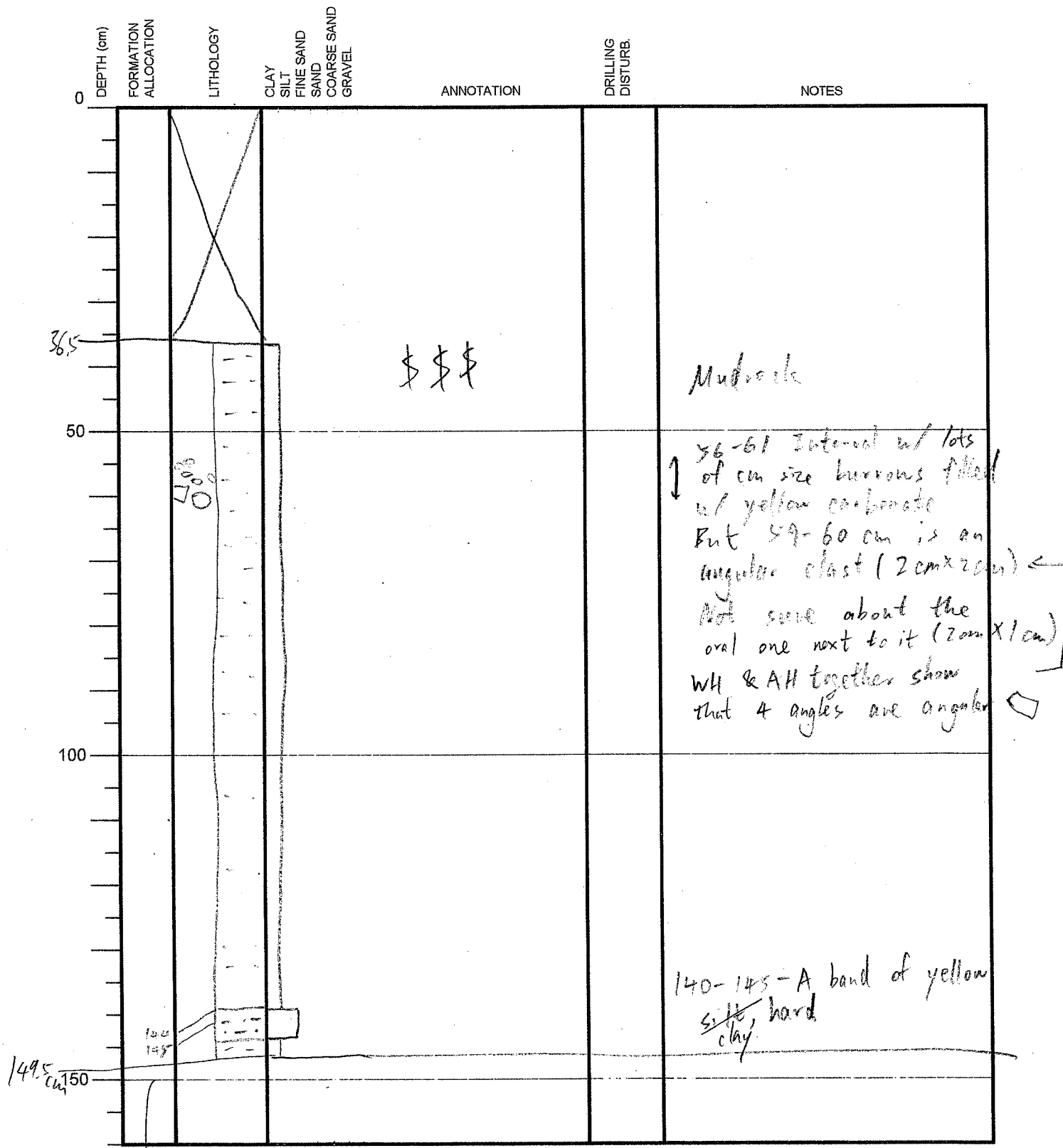
International Ocean Discovery Program Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 79R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



140
145
= yellow, silty material
3 colours: brown
yellow
light grey - carbonate

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 79R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

A

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0	4			\$\$\$		1-4 Calcareous mudrock
8	8					4-8 Angular breccia, 0.3cm x 1cm
						8-32.5 mudrock
						Burrows are commonly filled w/ yellow carbonate
32.5cm						
50						
100						
150						

NO.

OBSERVER: **SAB**
ENTERED INTO J-CORES (DATE): **11/10/2016**
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

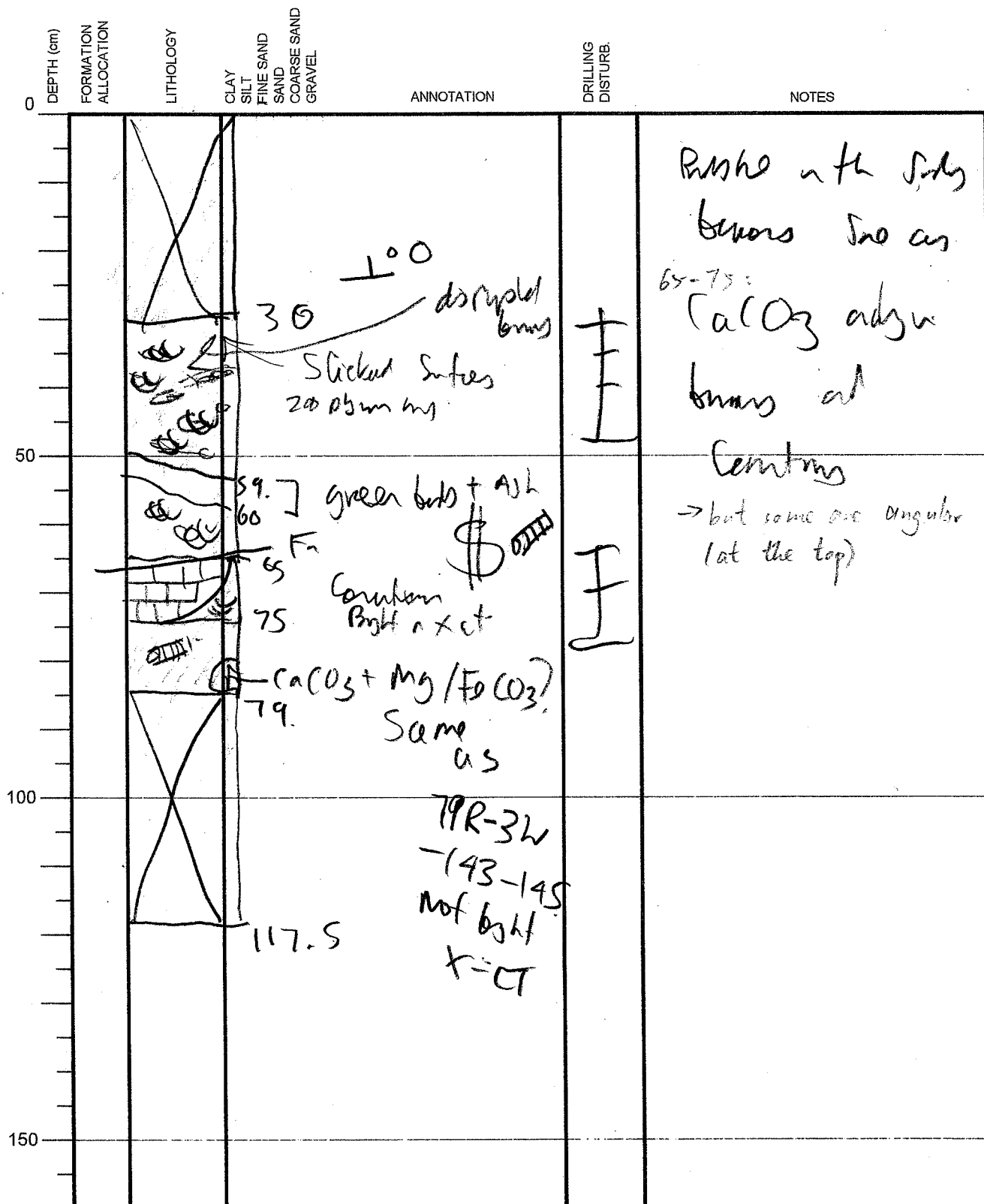
International Ocean Discovery Program Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 80R
SECTION: 2
TOP DEPTH (m CSF): 834

OBSERVER: SAG
ENTERED INTO J-CORES (DATE): 11/10/2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 80R
SECTION: 3
TOP DEPTH (m CSF): 835.451

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 11/19/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Broken mbs. 5 cm - 28 cm
				3-10 S-15		From 3-10 cm
				28		From 1-3 cm
				< 1-3 cm		28-40 cm
				48 vv		
50				52 vv		
				S-15		No Call 3
						about
100				vv sample		for
				148 cm		low
						broths
						in hrs
						the 80R
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 80R
SECTION: 4-
TOP DEPTH (m CSF): 530-905

OBSERVER: STAB
ENTERED INTO J-CORES (DATE): 11/10/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				S-B 20 cm L O-S Beak hole 34 cm Bed 45 cm Spent?? Fast at B No calc \$ OBS 120 cm dentified ash large 1.38		Brkld mltzle Silt to fine Sand Sed Ash - Antiquated gg Pmm + Pgtb + Barite Celest
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 11/16/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 80R
SECTION: S
TOP DEPTH (m CSF): 836.965 mwf

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 11/16/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				4 cm Anhydrite S-11 63 cm 81 93 10-5		Some lithology as 80R+1 less py 81 S.A. Brachidontes 93
100						
150						

International Ocean Discovery Program

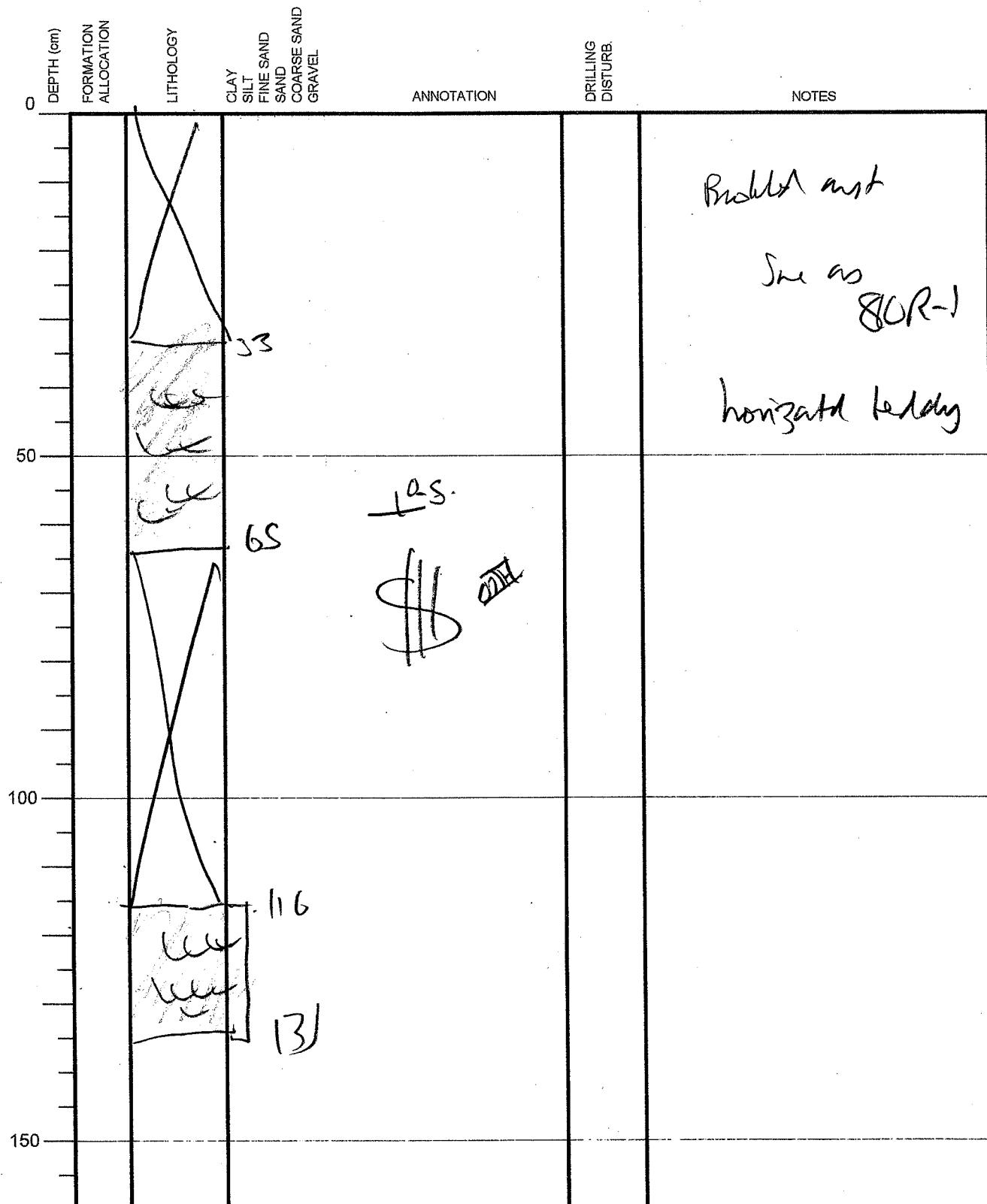
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 80R
SECTION:
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



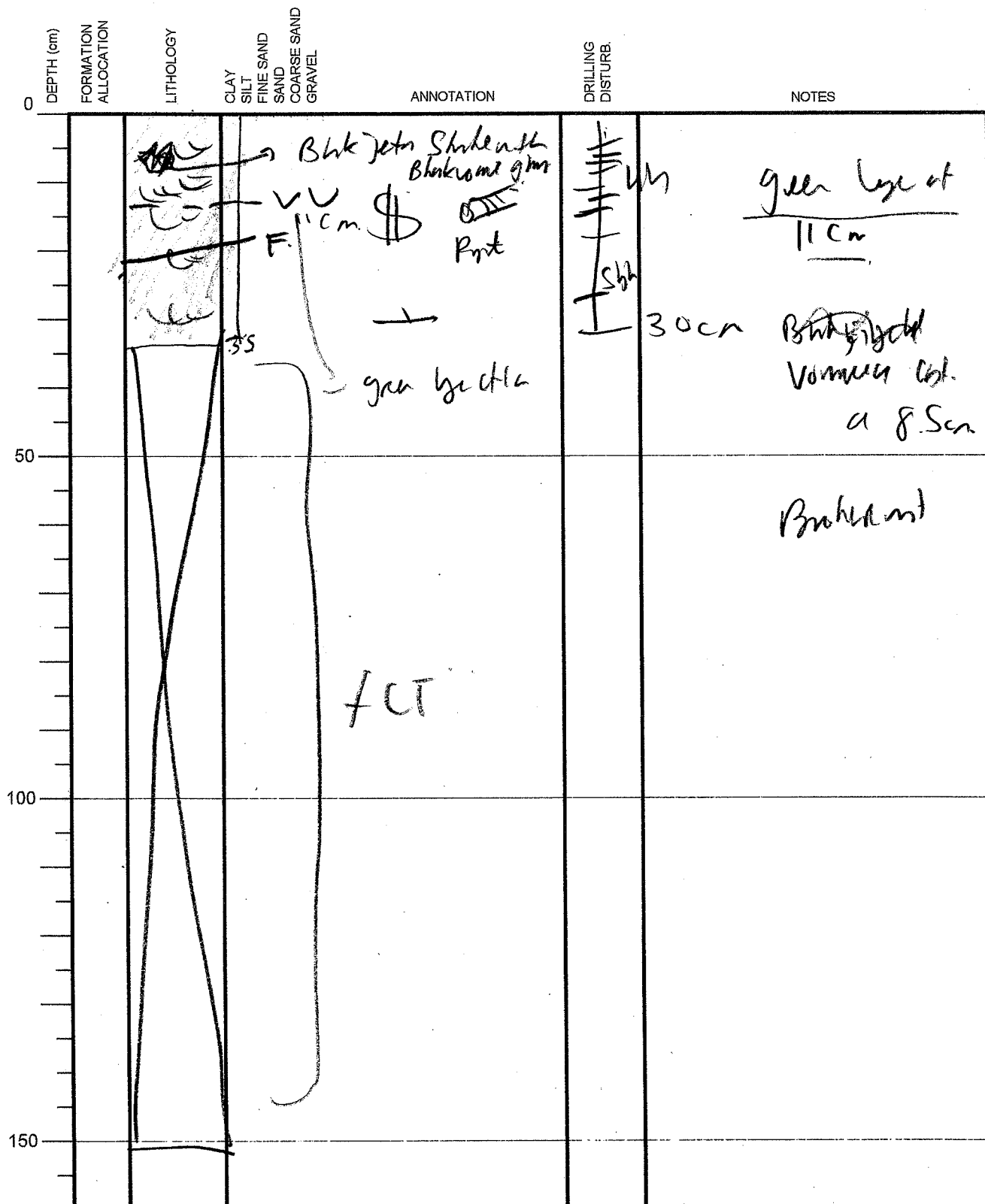
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 80R
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 80R.

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
						0-36 cm
						34-35.5 green mineralization
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 12/01/2016

CORE: 81R

OBSERVER: MY

EXPEDITION: 370

SECTION: 1

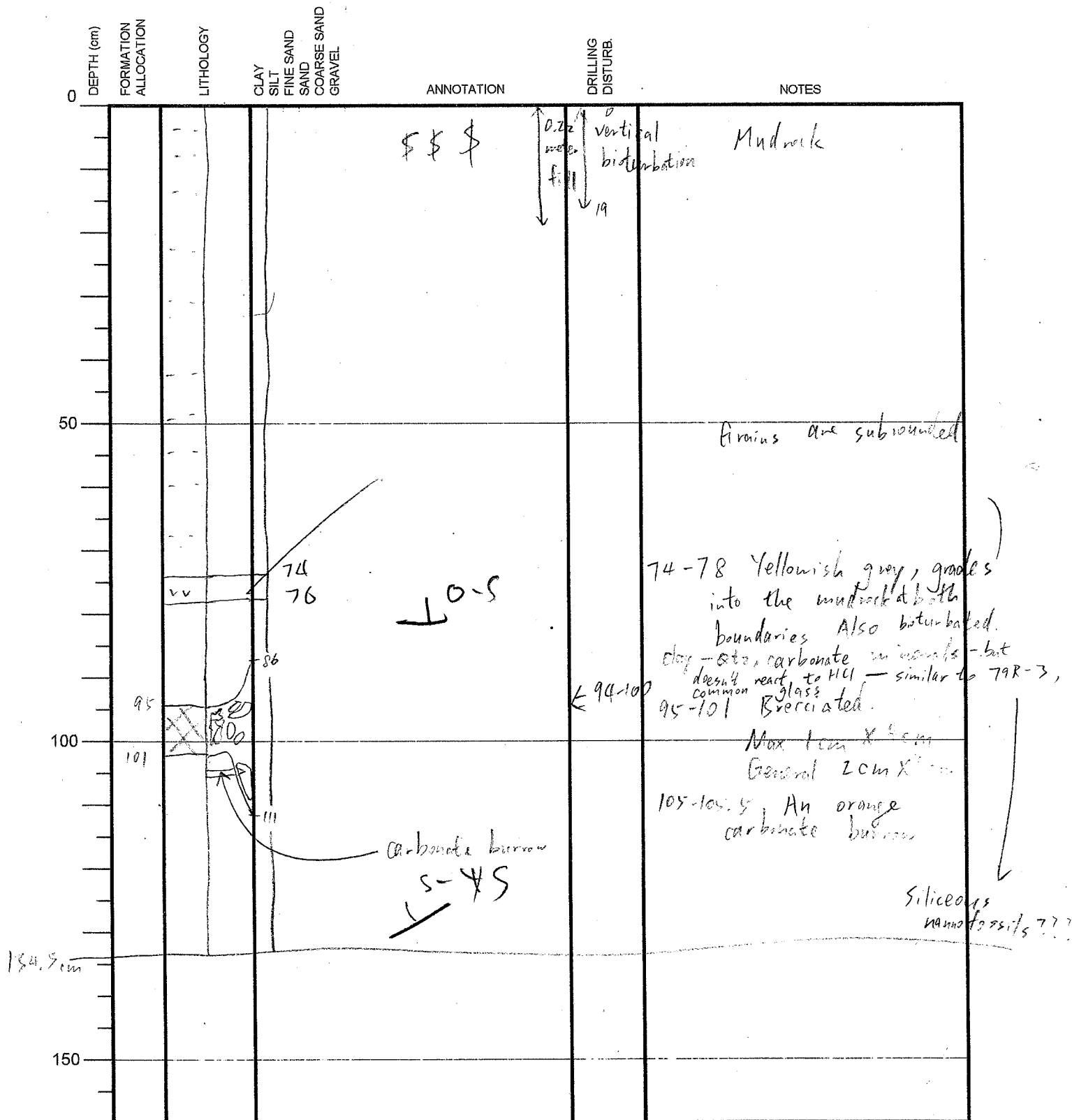
ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF):

842.5 mbsf

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 17/01/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 81R

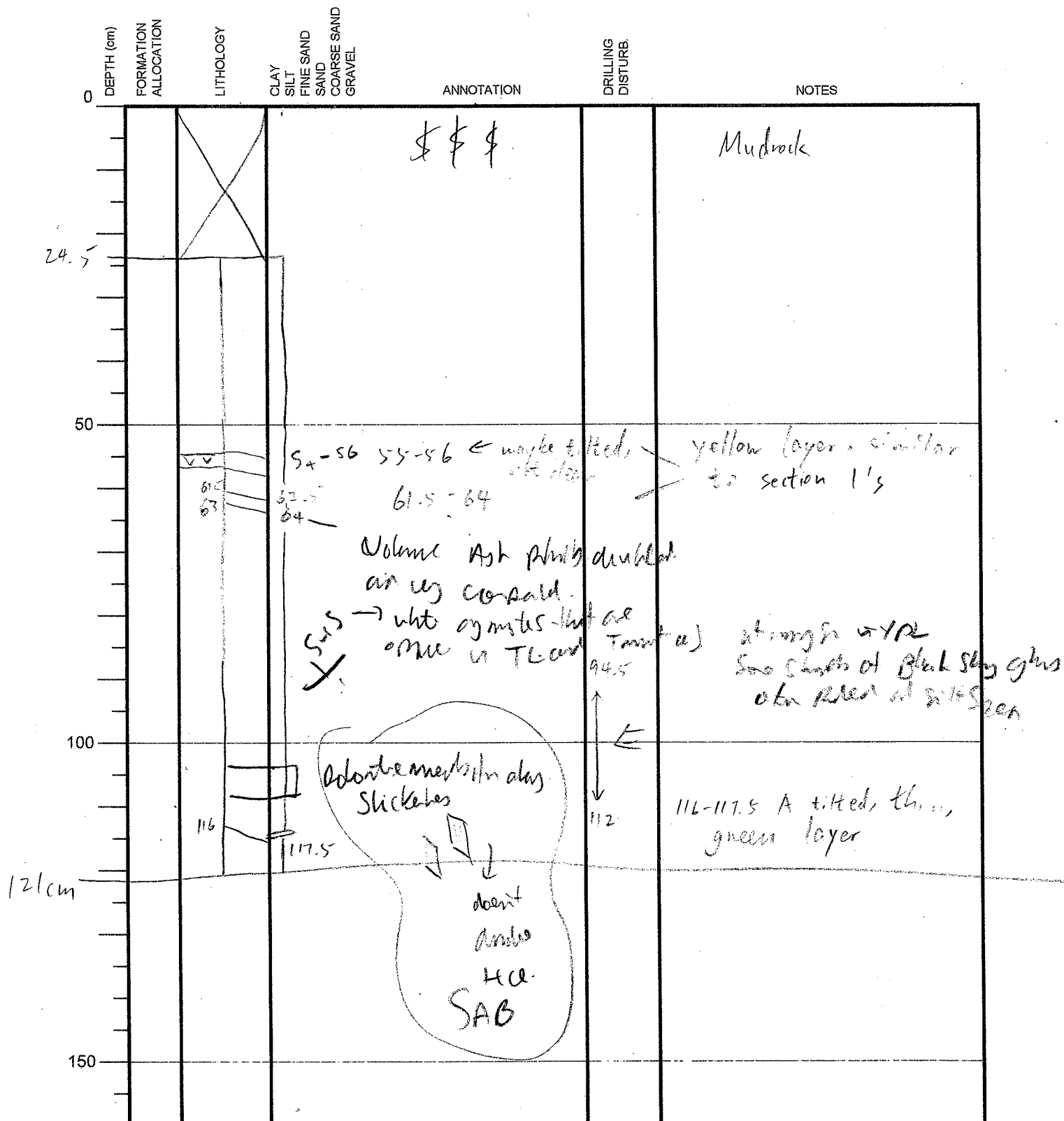
SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

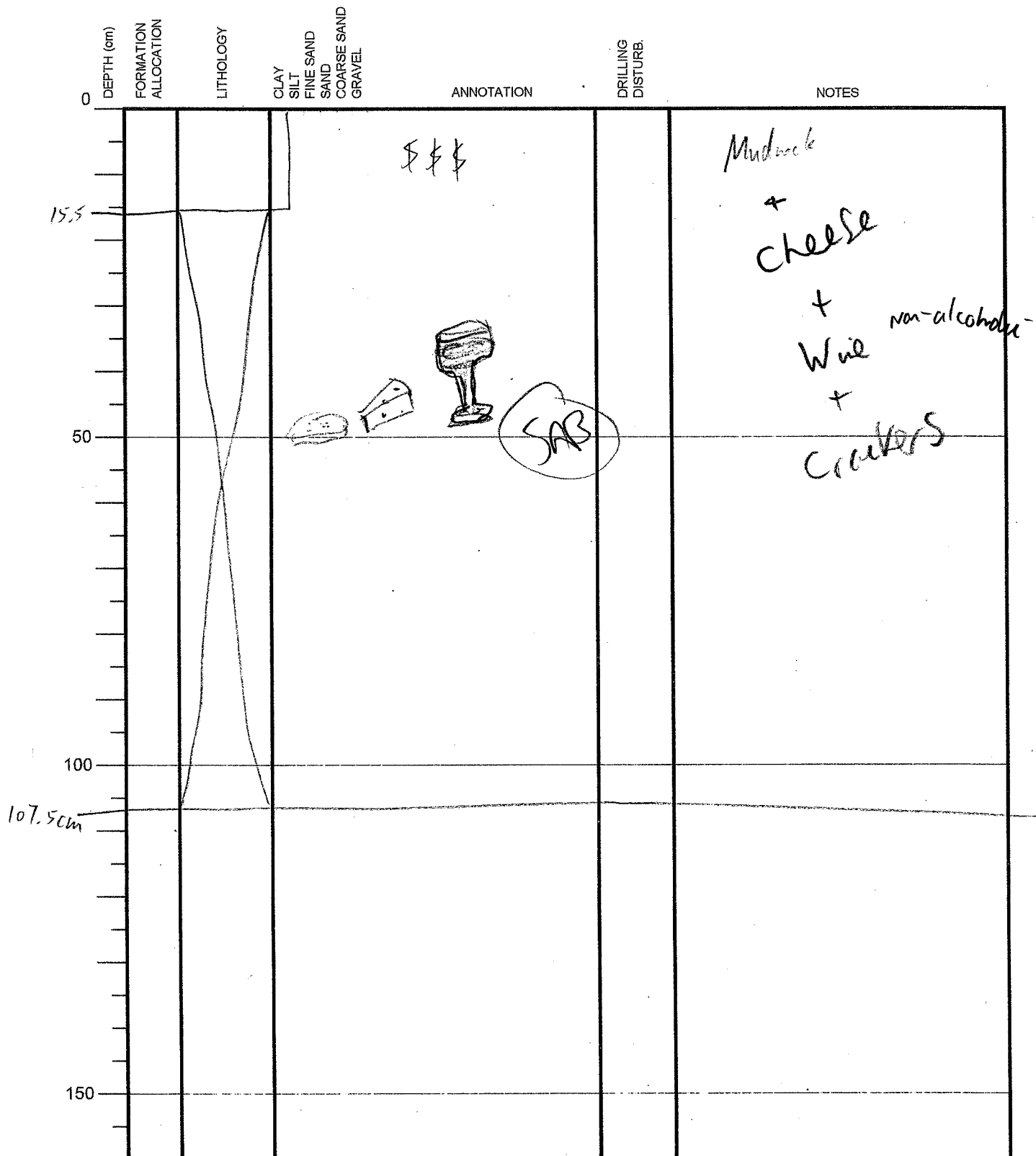
NO.

DATE: 12/01/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 81R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): 11/10/2016
LOGGED FROM X-CT: YES / NO

62SAB



International Ocean Discovery Program Visual Core Description

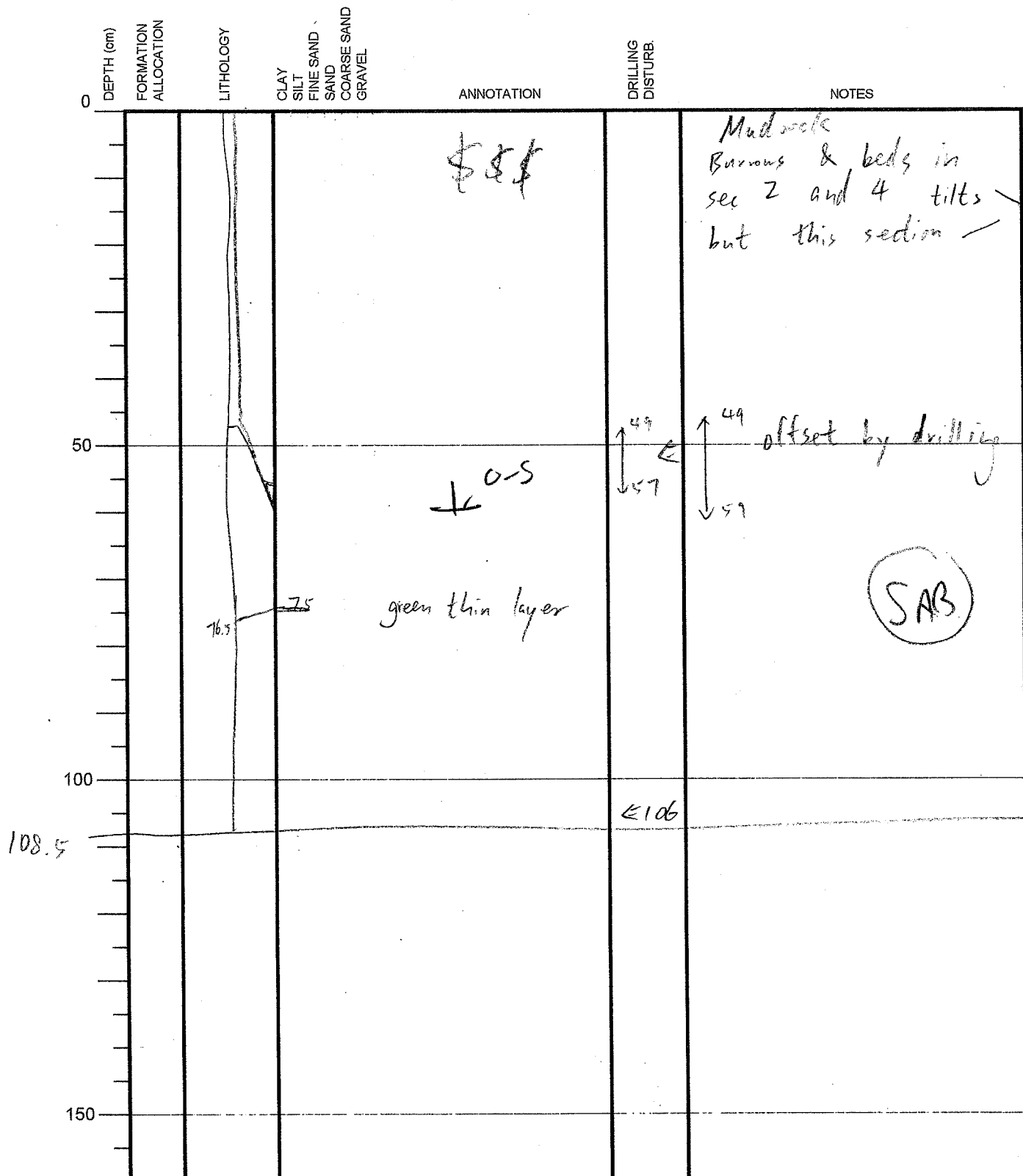
NO.

DATE: 12/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 81R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): 12/10/2016
LOGGED FROM X-CT: YES / NO

SAB



International Ocean Discovery Program Visual Core Description

NO.

DATE: 24/01/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 81R

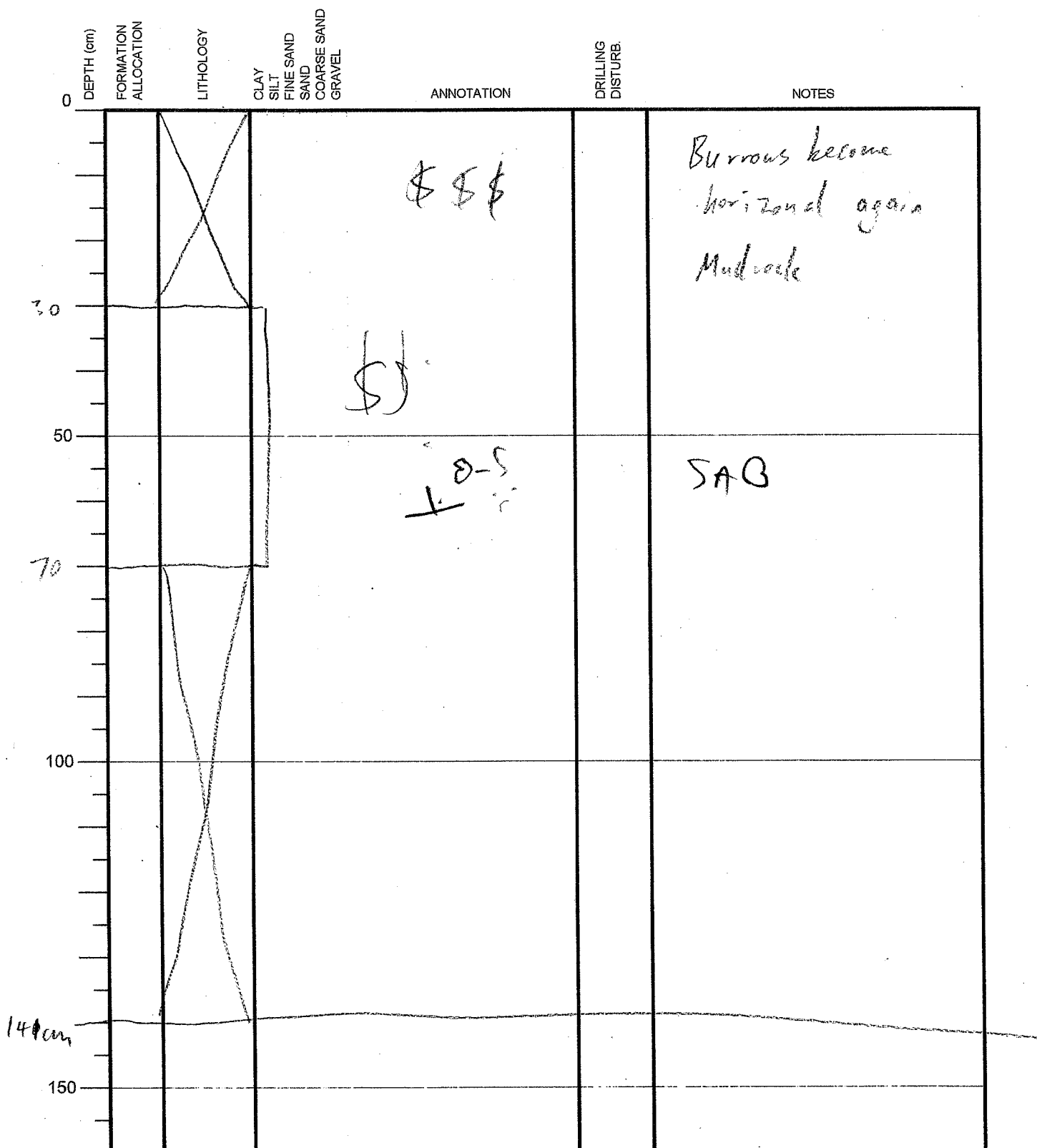
SECTION: 6

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



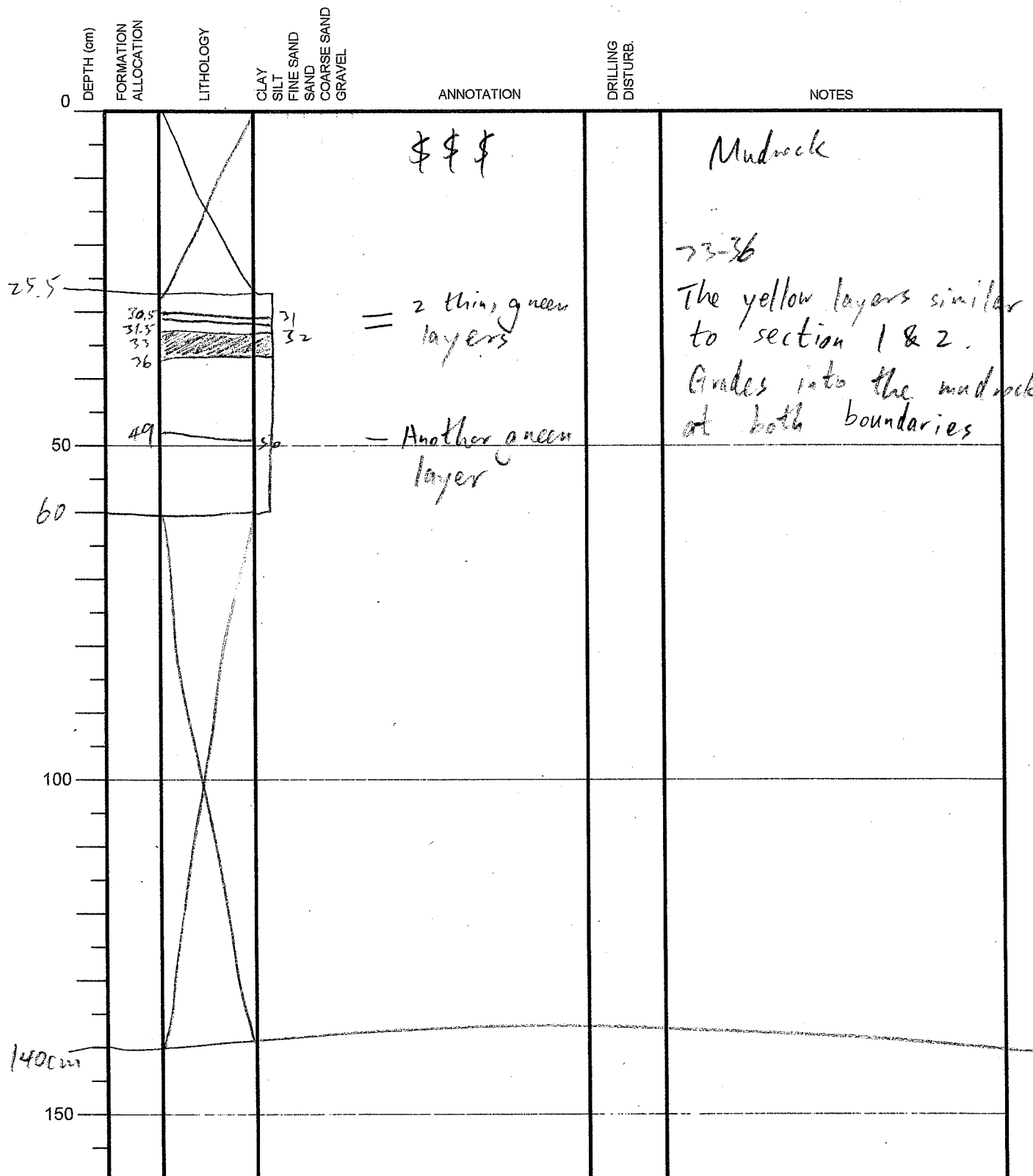
International Ocean Discovery Program Visual Core Description

NO.

DATE: 7/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 81R
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 12/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 81R
SECTION: 8
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				\$\$\$		Mudrock Burrows slightly tilted
43cm				31 ↓ 43	≤ 32-34 Disturbed by drilling	
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 12/2/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 81R
SECTION: CC
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

A

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		Mudrock Biscuits, have burrows in diff directions At every cut
35cm						28-30.5 Carbonate clast - Dominantly calcite, subangular - Not a concretion, can see the contact w/ mudrock - Similar to the yellow carbonate clasts before (core)
50						1.5-2.5 - Calcareous mudrock fragment, bioturbated
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 17/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 82R

SECTION:

TOP DEPTH (m CSF): 852 - 861.5

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

mbst

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		Mudrock
				25 - 29.5 Yellow layer, boundaries are gradational 34 - 35.5 dark band	18 Drilling disturb 30	
				41 - 41.5 green band	42.5 46.5	
50				67 - 67.5 green band 74 - 74.5 dark band	63.5 Breciated, probably by drilling 66 1x2 cm	
					87.5 Breciated, probably by drilling. 0.3 x 2 cm 89 2x2	
100						
				Add → bottom → depth from SAB		
150						

International Ocean Discovery Program Visual Core Description

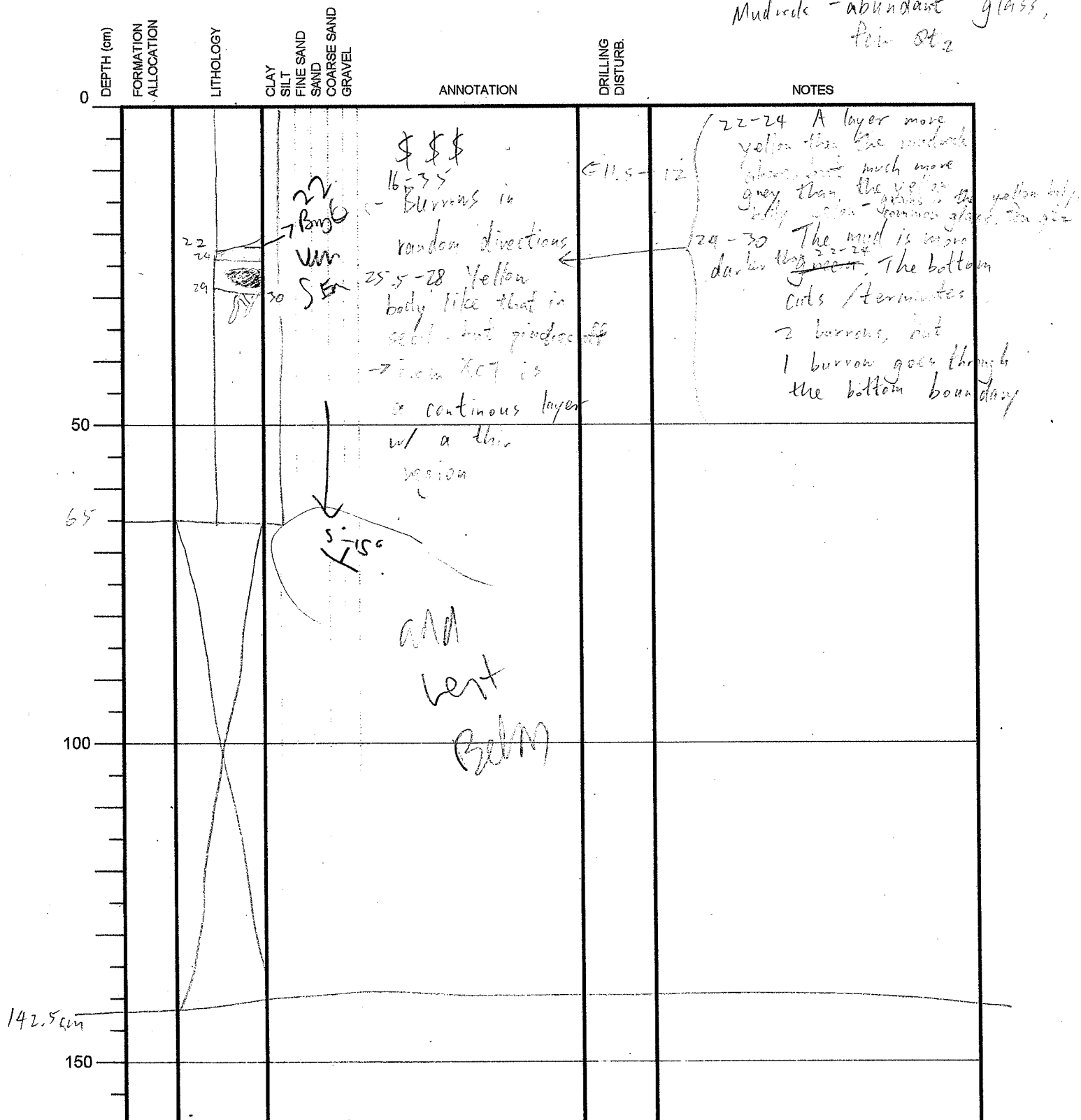
NO.

DATE: 13/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 82R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

Mudrock - abundant glass,
fine st₂



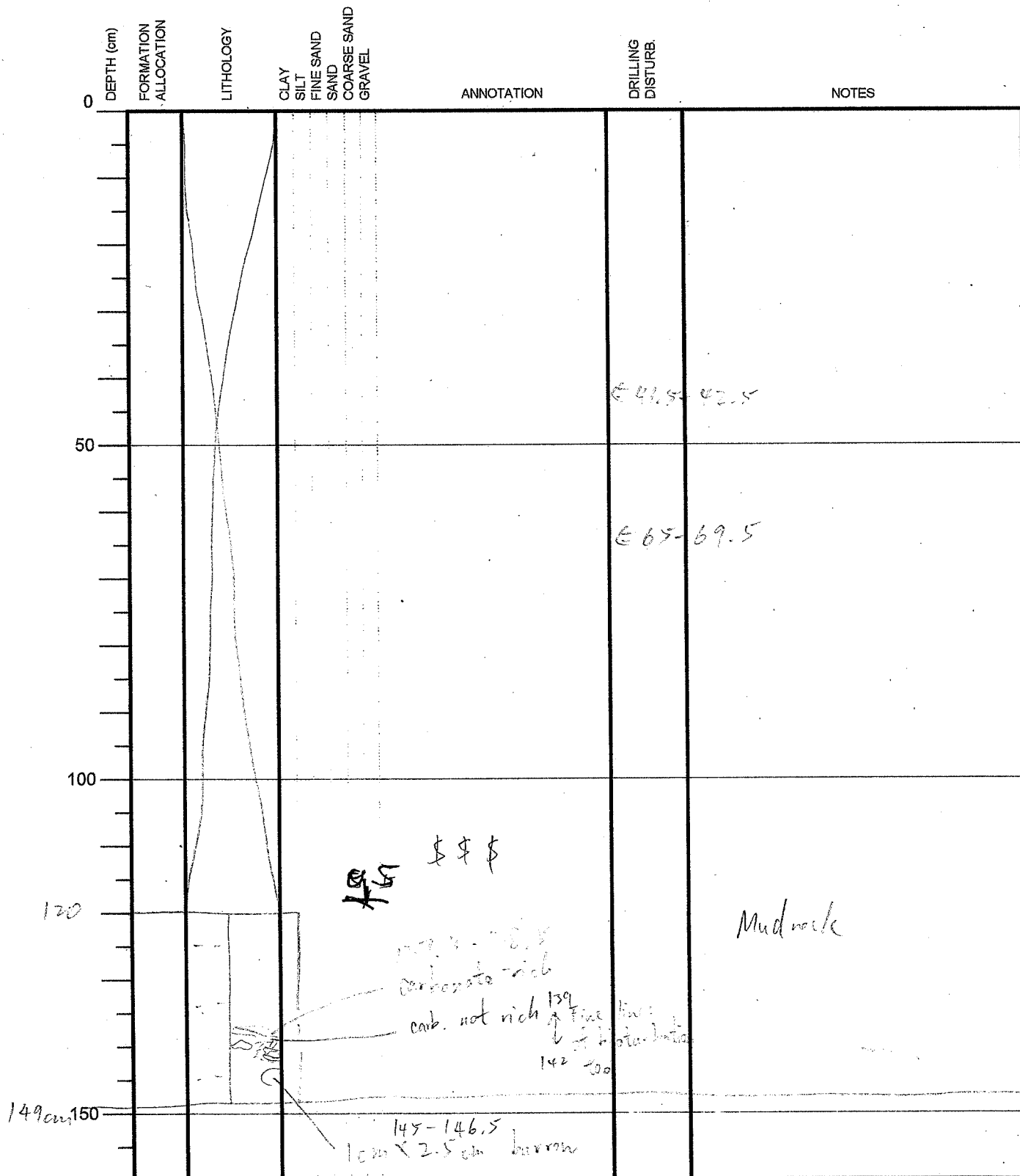
International Ocean Discovery Program Visual Core Description

NO.

DATE: 13/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 82 R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 13/10 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 82R

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
18.5				\$ \$ \$	69-5 at core	Mudrock
30.5 cm				15.		
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 85R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
0						
1						
2						
3						
4						
5						
6						
7						
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9						
10						
11						
12						
13						
14						
15						
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150						

International Ocean Discovery Program

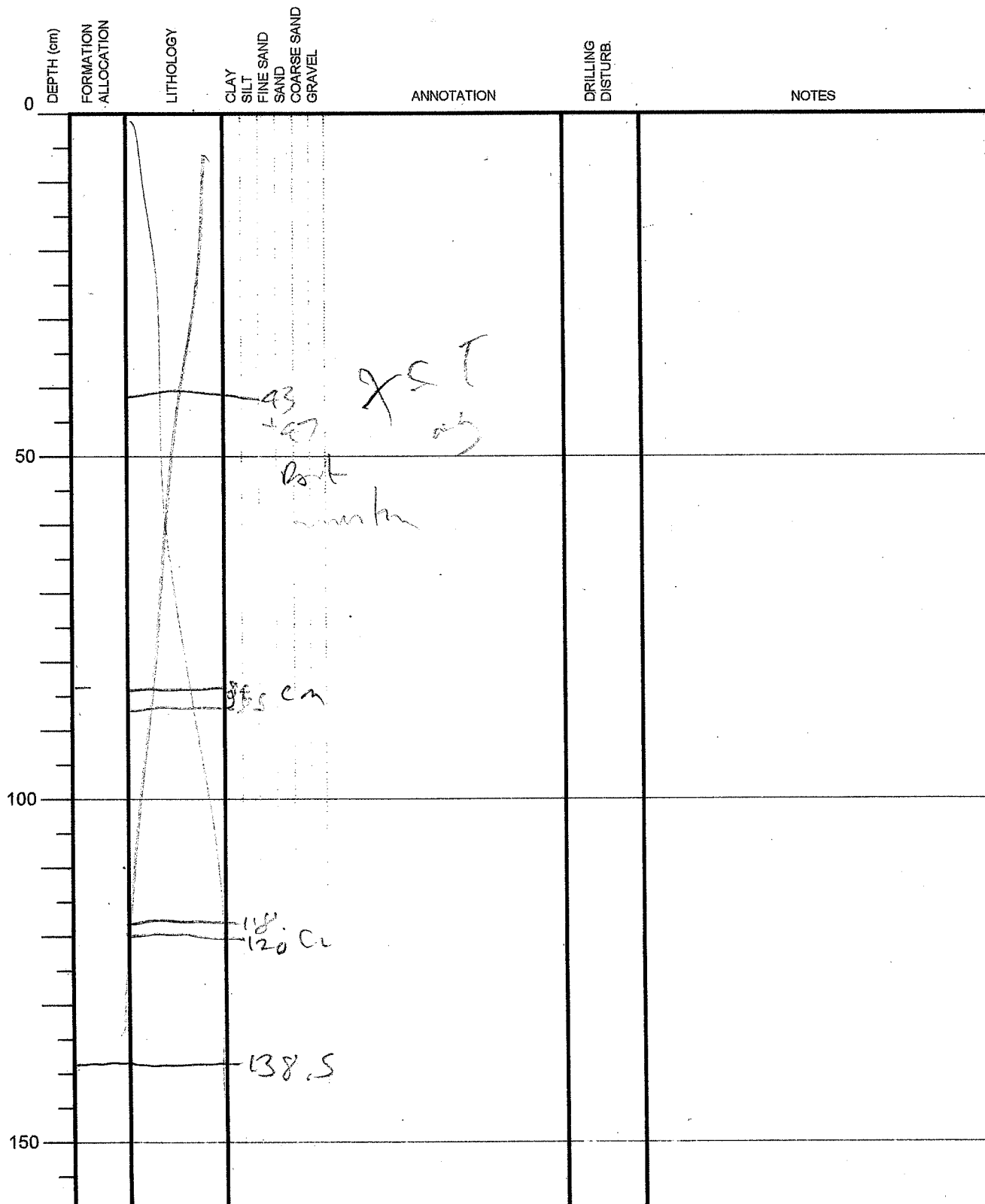
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 832
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: Jh
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



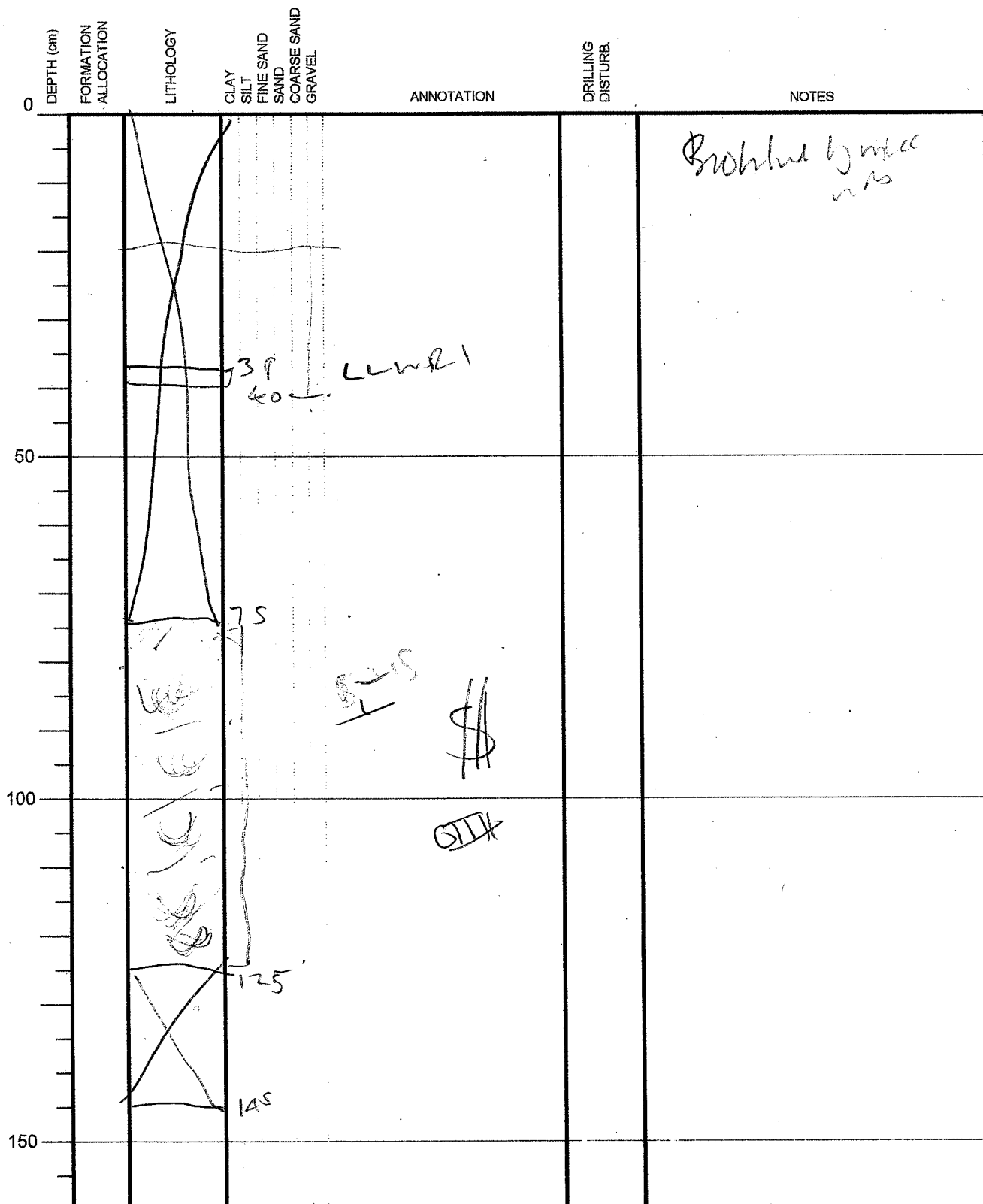
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 83R
SECTION: A
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



Core 3

120 to 119.1

8456

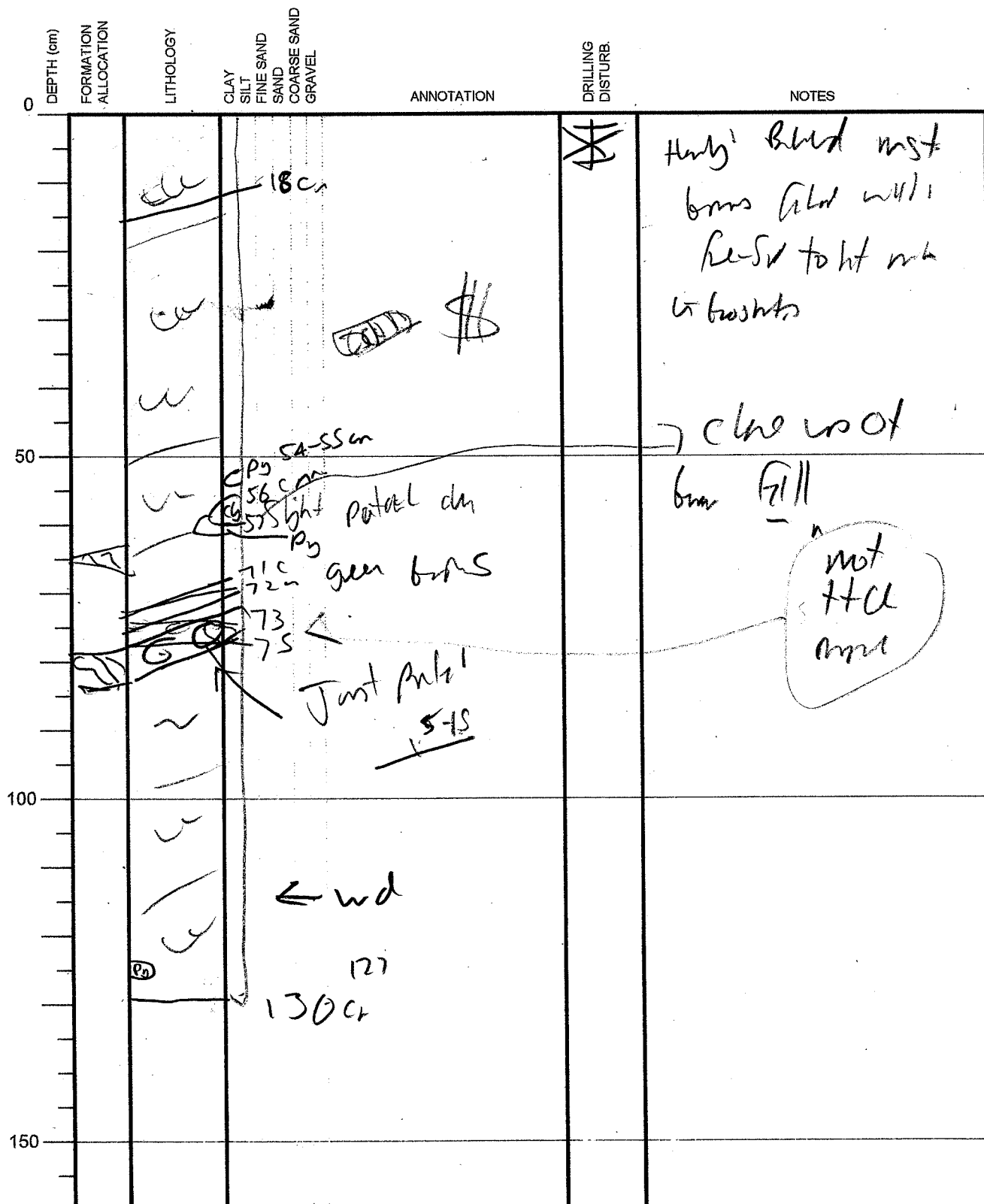
International Ocean Discovery Program Visual Core Description

NO.

DATE: 6/16/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 8AR
SECTION: 1.
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): 26/16/2016
LOGGED FROM X-CT: YES/NO



International Ocean Discovery Program

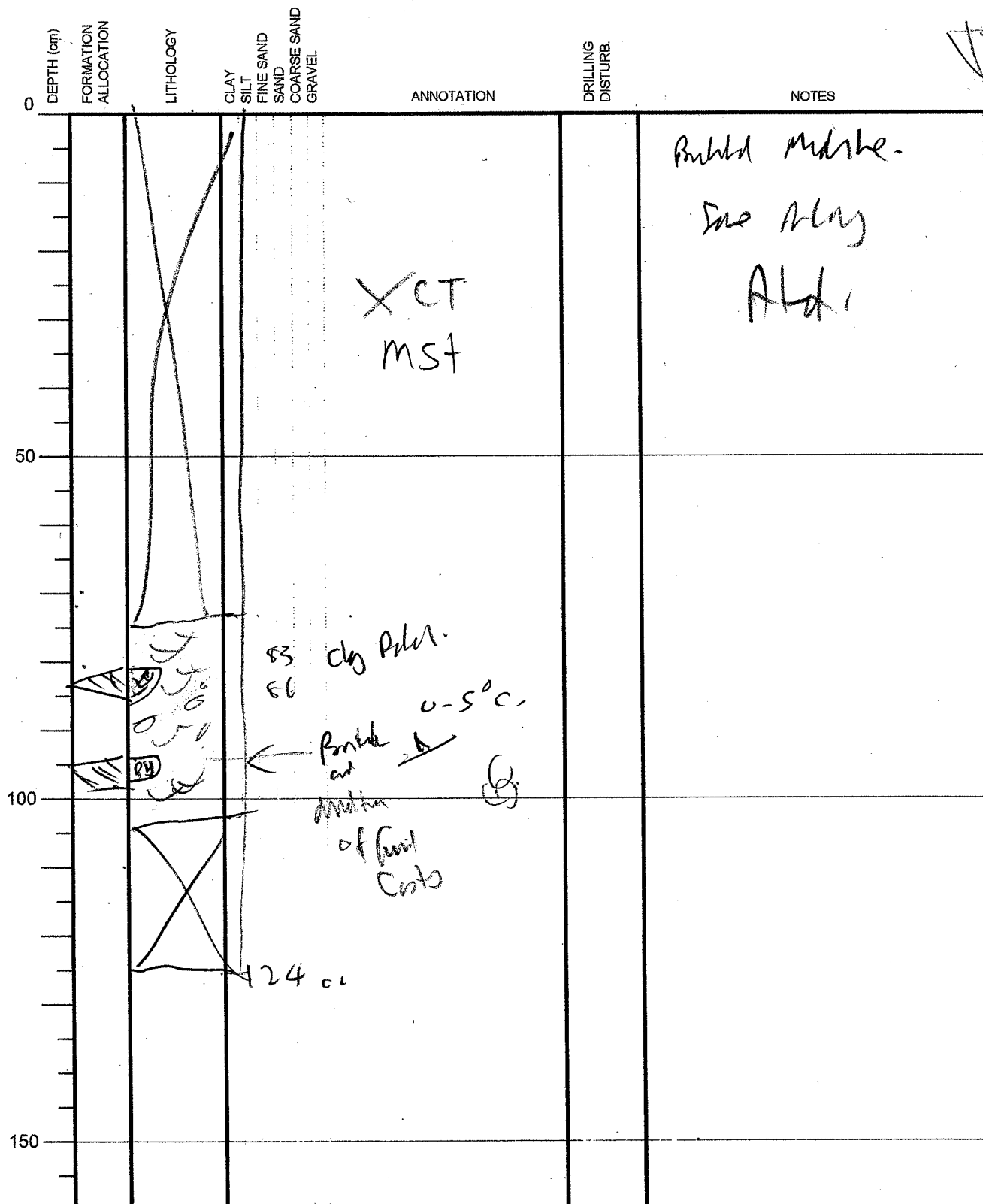
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 84R
SECTION: 2.
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 26/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 84R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER: SAR
ENTERED INTO J-CORES (DATE): 26/10/2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
30						Broken red rock
40				35 cm ch abut Alu Packed lime Barbed		mmr Alu Plu Cm thick
50				o-s		clay dry brown
100						
150				124 cm		

International Ocean Discovery Program

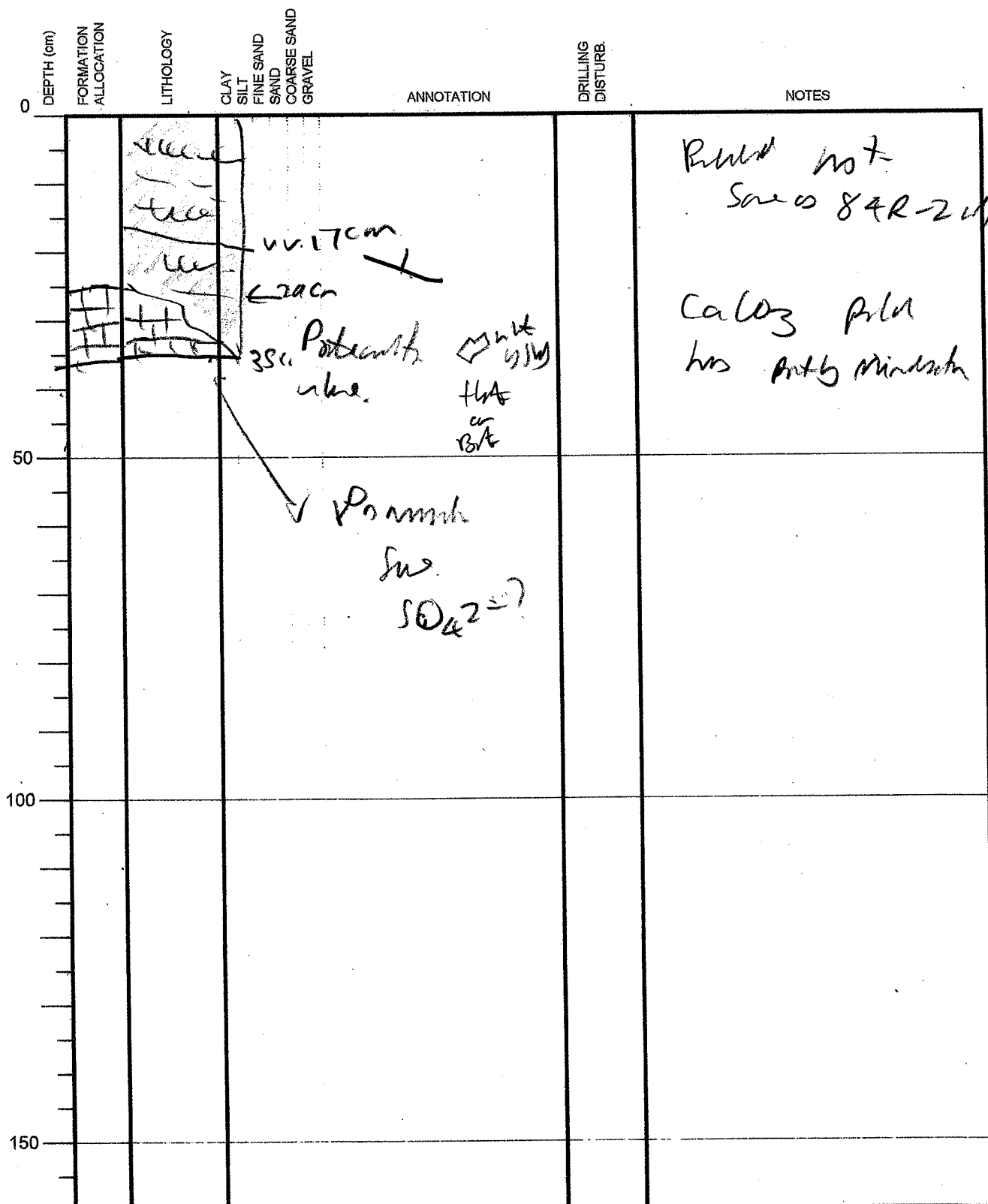
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 84R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 84
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				white calcs SphA		calcs and - 7cm + soft clastic mud
50						
				76-77 gr 5-15 gr		
100				~ 120 cm		
150				141		

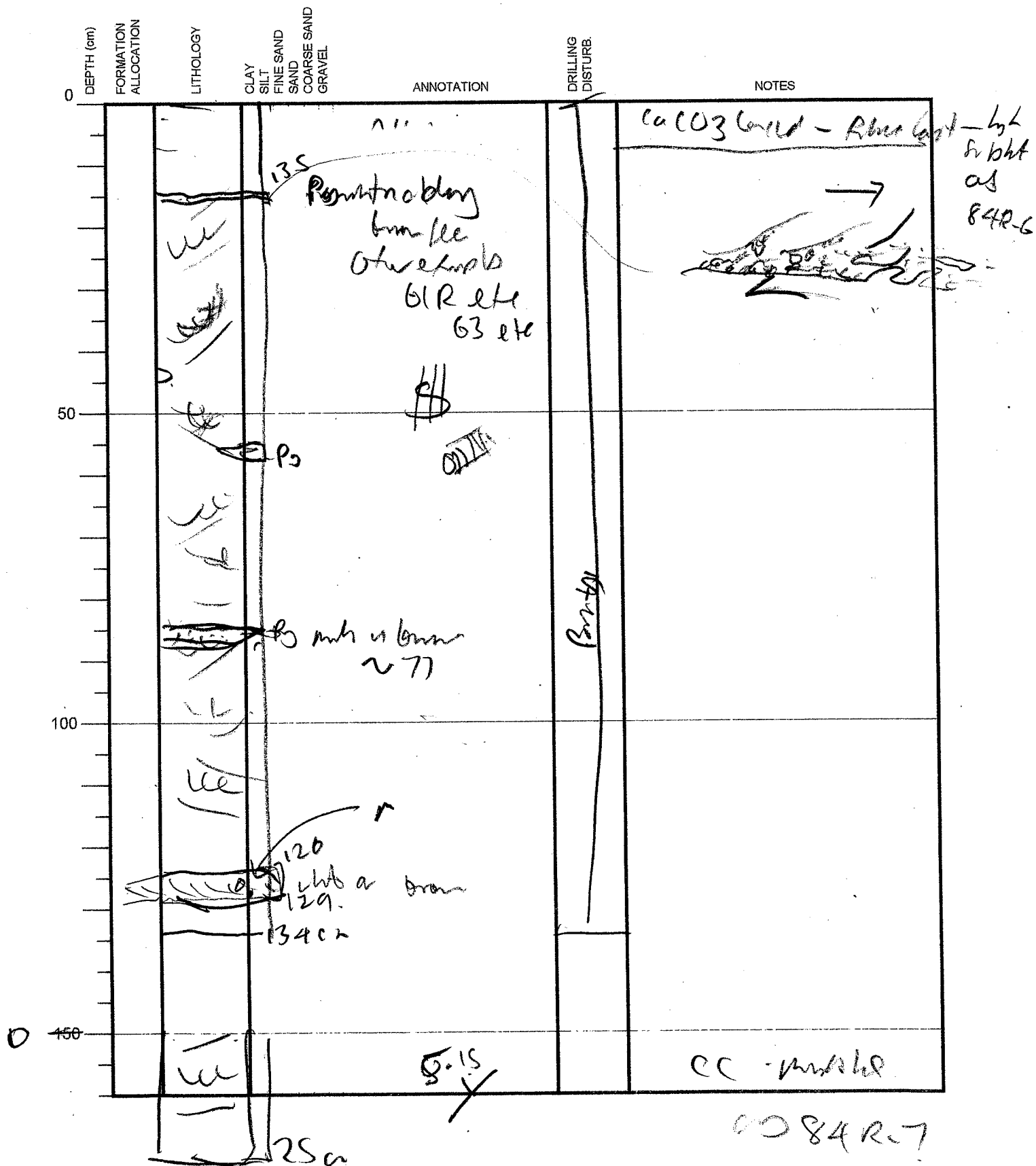
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 84R FCC
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 27/10/2016

CORE: 85R

OBSERVER: MY

EXPEDITION: 370

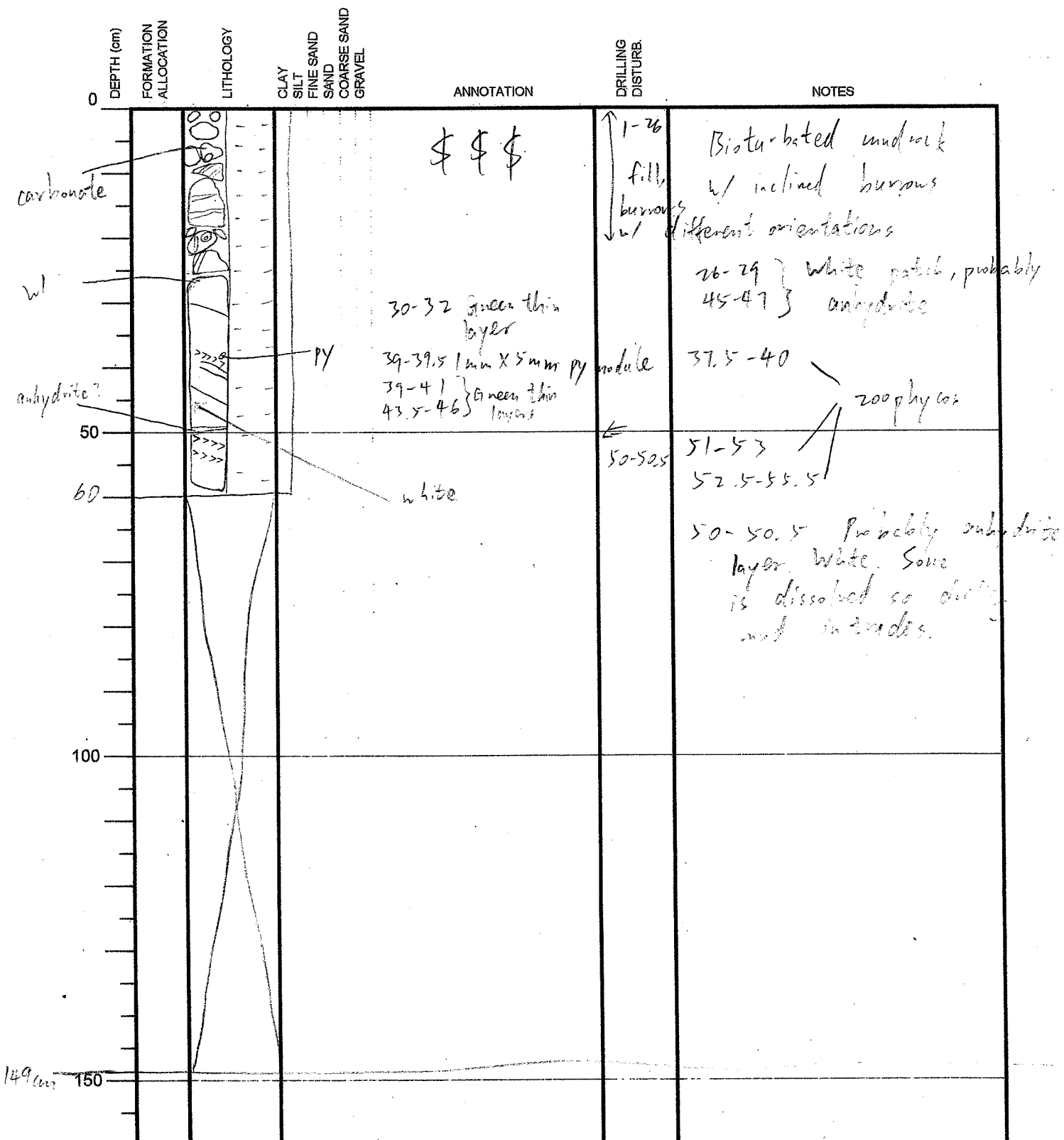
SECTION: 1

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF): 880.5

LOGGED FROM X-CT: YES / NO



When is the symbol ???

International Ocean Discovery Program Visual Core Description

NO.

DATE: 27/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 85R

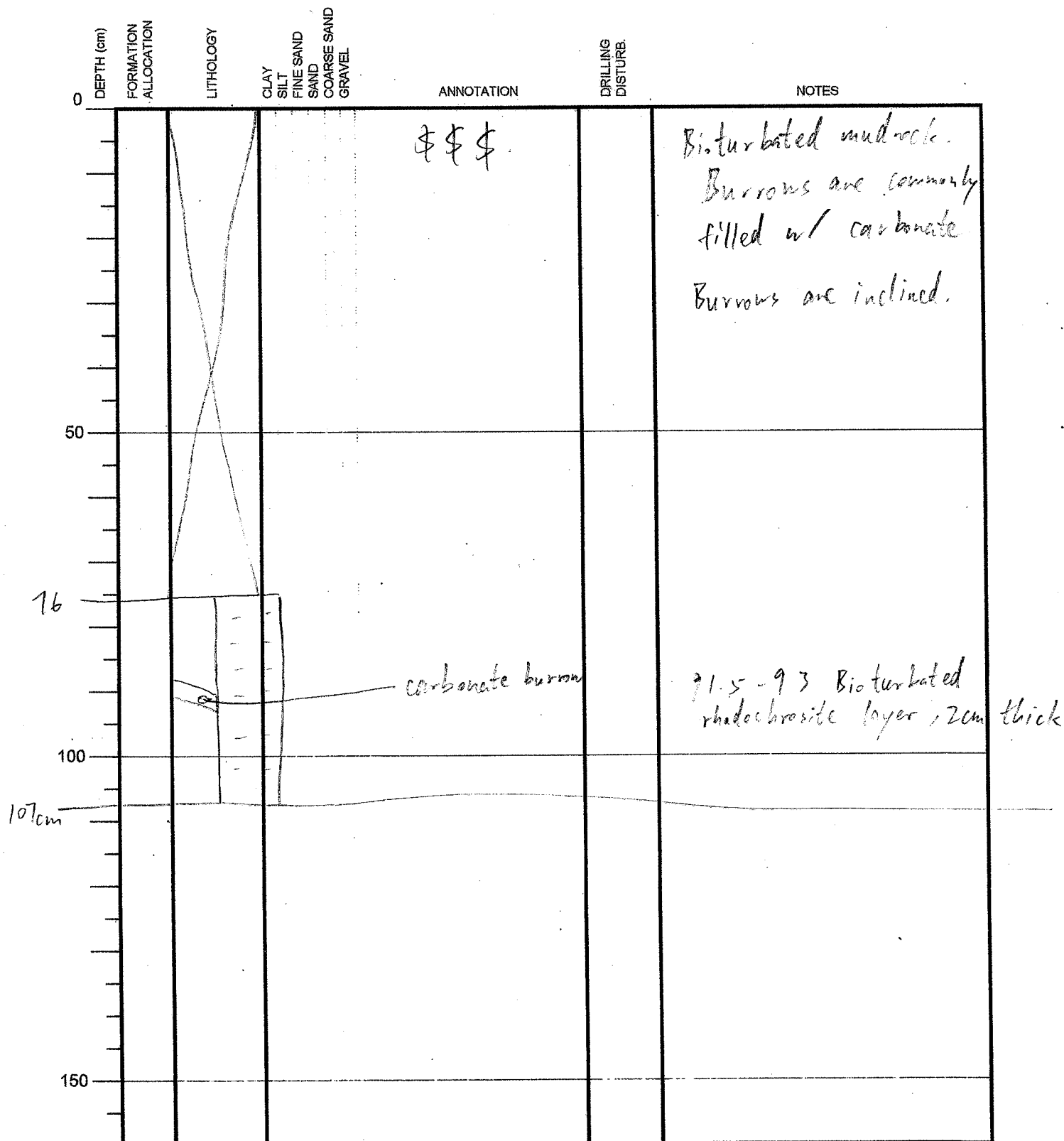
SECTION: 3

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 2/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

85R

SECTION:

4

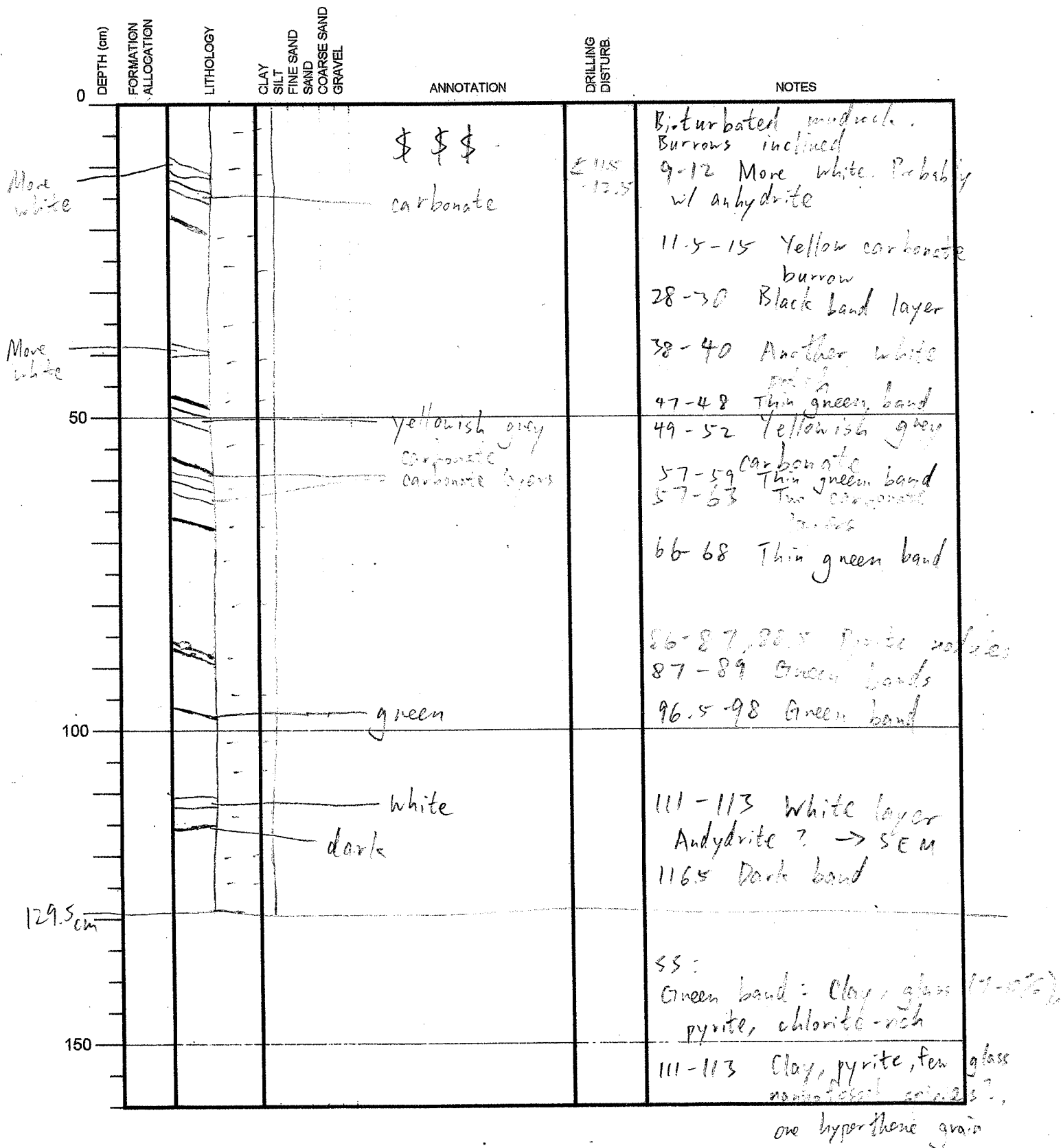
TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 27/10 / 2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 85R

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
17cm				\$\$\$	3-4 9-17 Disturbed by drilling	Bioturbated mudrocks Inclined burrows
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 27/10/2016

CORE:

86R

OBSERVER:

MY

EXPEDITION: 370

SECTION:

1

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		D-15 Calcareous mudrock
5					orange barite + barite drilling mud	15 - 25.5 Mudrock
50						
62cm						
100						
150						

In orange drilling mud

International Ocean Discovery Program Visual Core Description

NO.

DATE: 27/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 86R

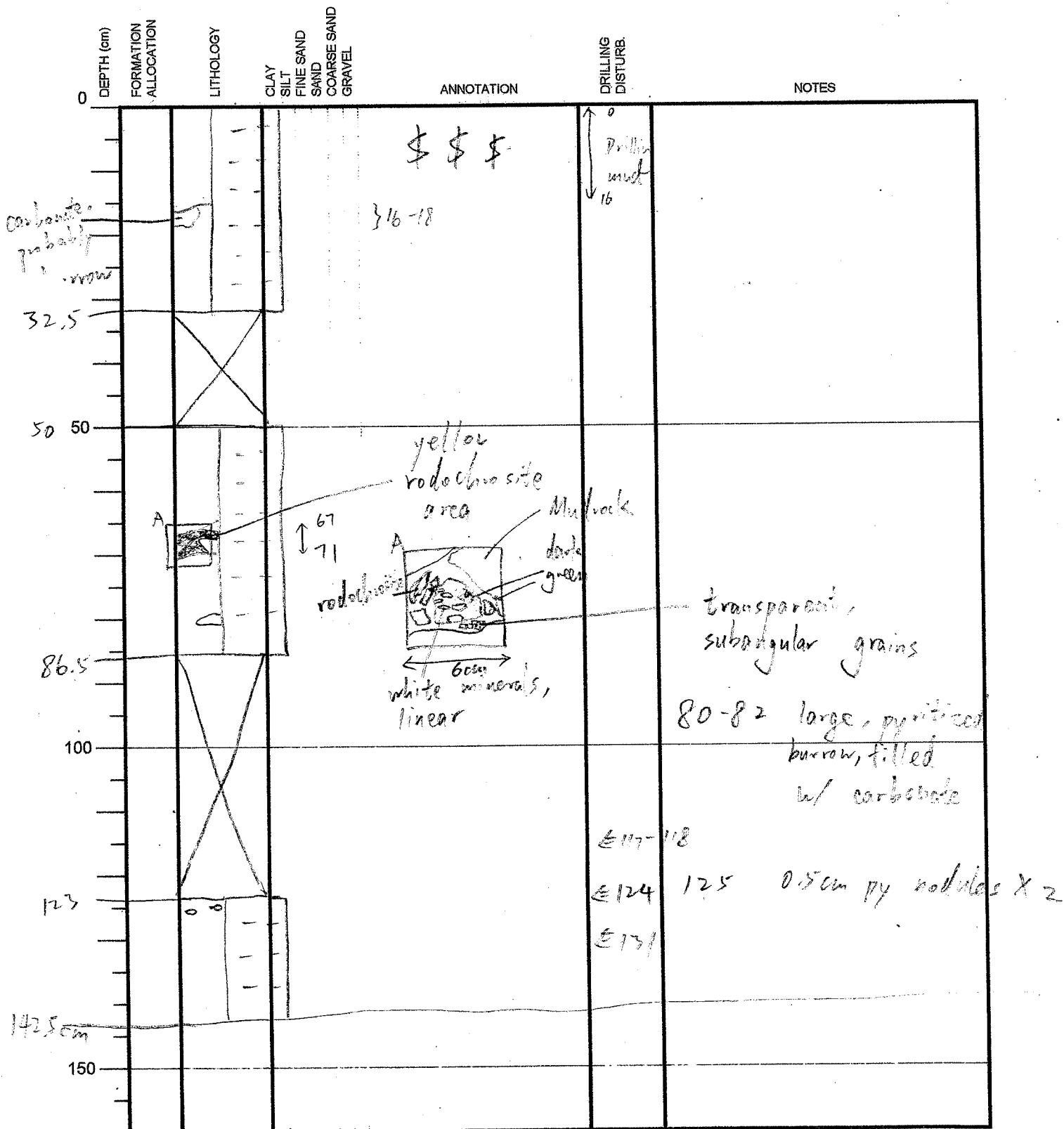
SECTION: 2

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



86R is in orange drilling mud

International Ocean Discovery Program Visual Core Description

NO.

DATE: 27/0 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 86R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT	FINE SAND SAND	COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						\$ \$ \$		Bioturbated mudrock
50							E15-16 ← 40	
70-71.5 py nodule (0.5 cm)							E58 E65-67 E77	
92 cm								
100								
150								
150.5 cm								

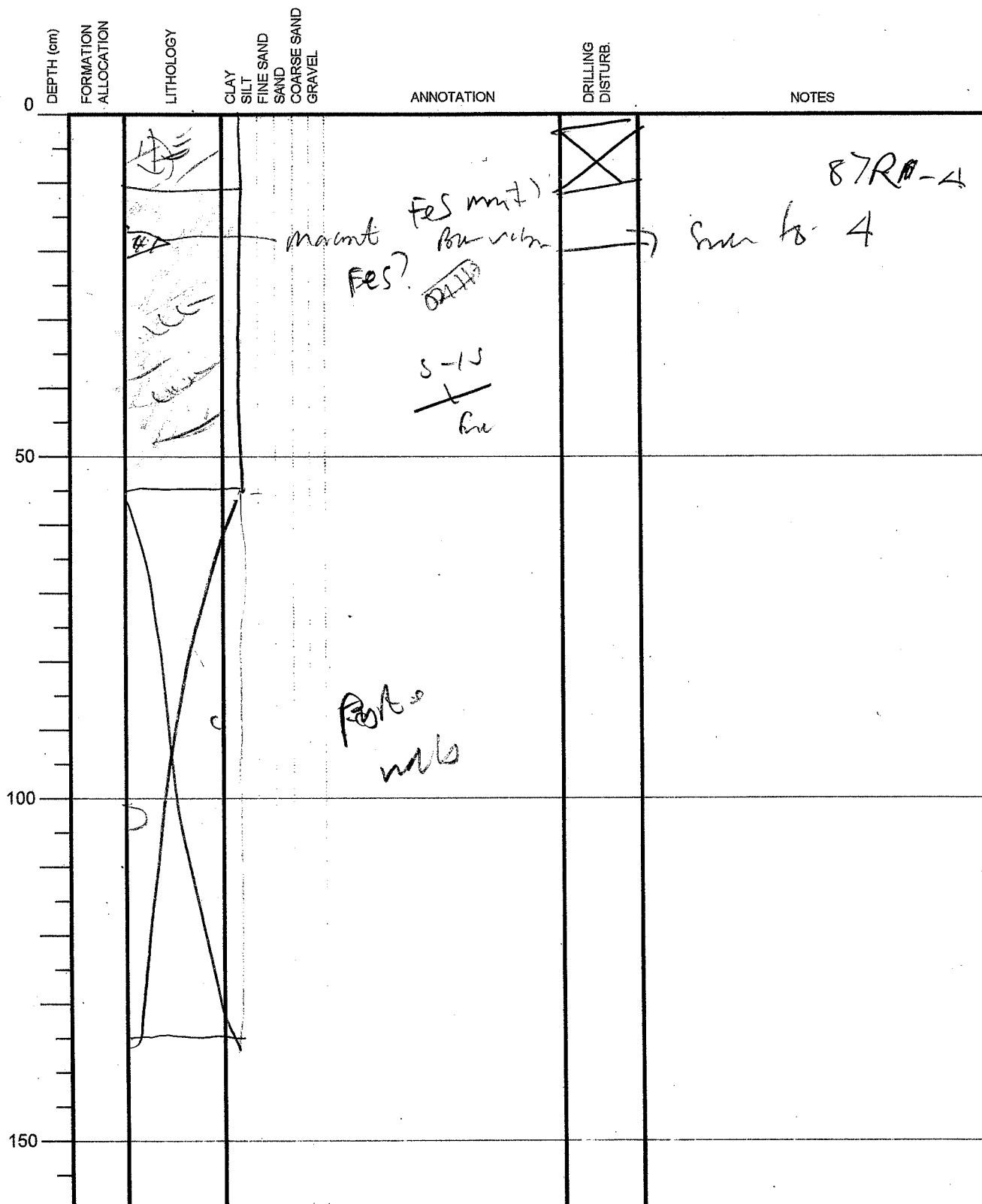
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 87R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

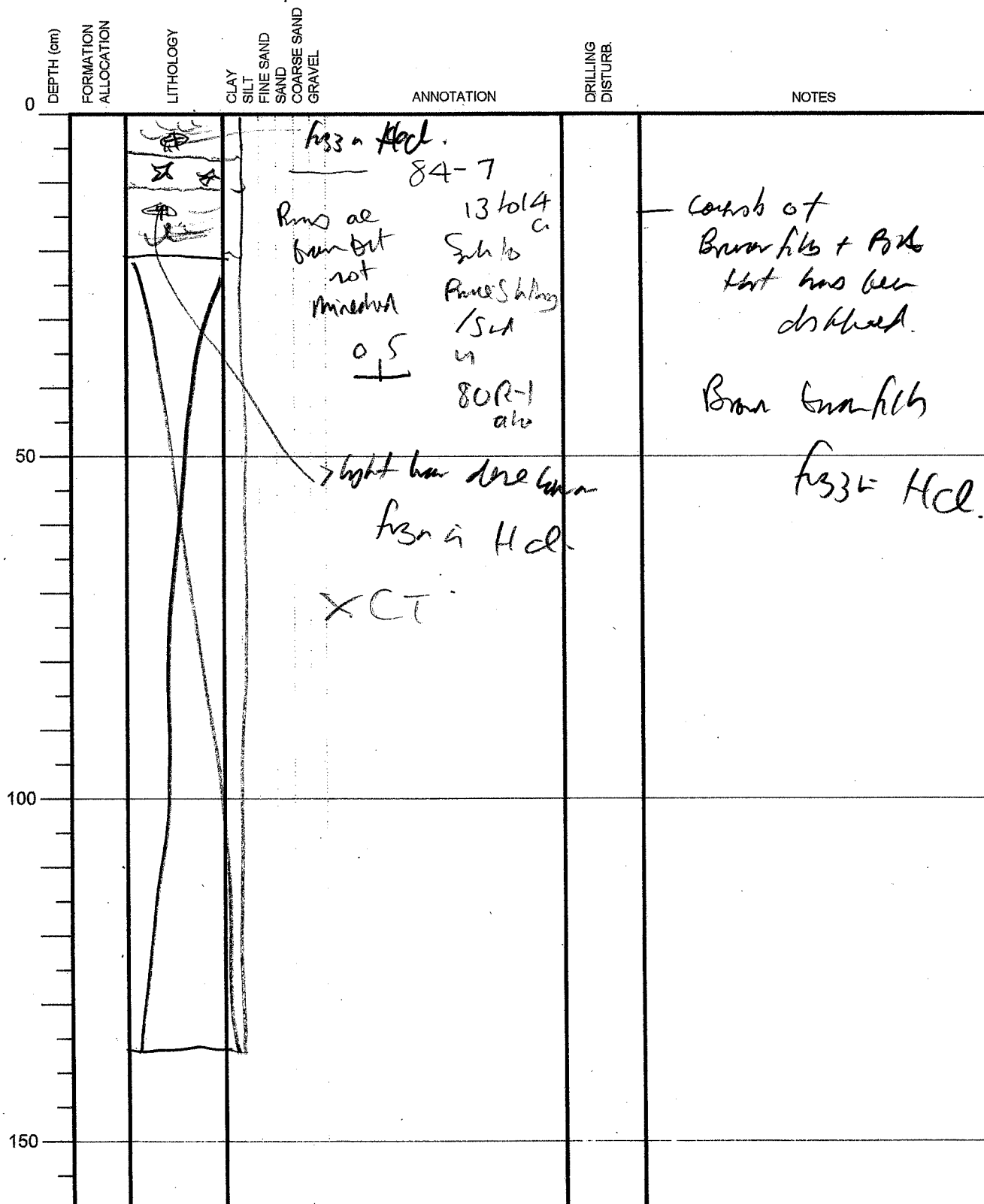
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 87R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



NO.

OBSERVER:

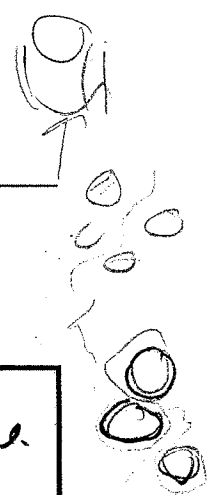
ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



NO.

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 872

SECTION: 6

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						Bulk
25				9.5 lgt bur burrs		26 33
50				74 5.5		rotated.
75				0.5		
100				116 cm		
125						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 87 R
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				S.D. Some atlet.		Broken m.
100				XCT-		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 8/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 88R
SECTION: 1
TOP DEPTH (m CSF): 909

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		Bioturbated mudstone
14-15.5				red burrow, rich in carbonate		
Wait for SEM of 87R to confirm the mineralogy.						
25.5-27				Reddish		
28-28.5				yellow patches		
XCT value > 2000						
50						
86-89				Disturbed fragment		← 86
Showing different orientations of burrows						← 89-91
100						
108.5 cm						
150						

Broken liner — took 2 hours to retrieve.

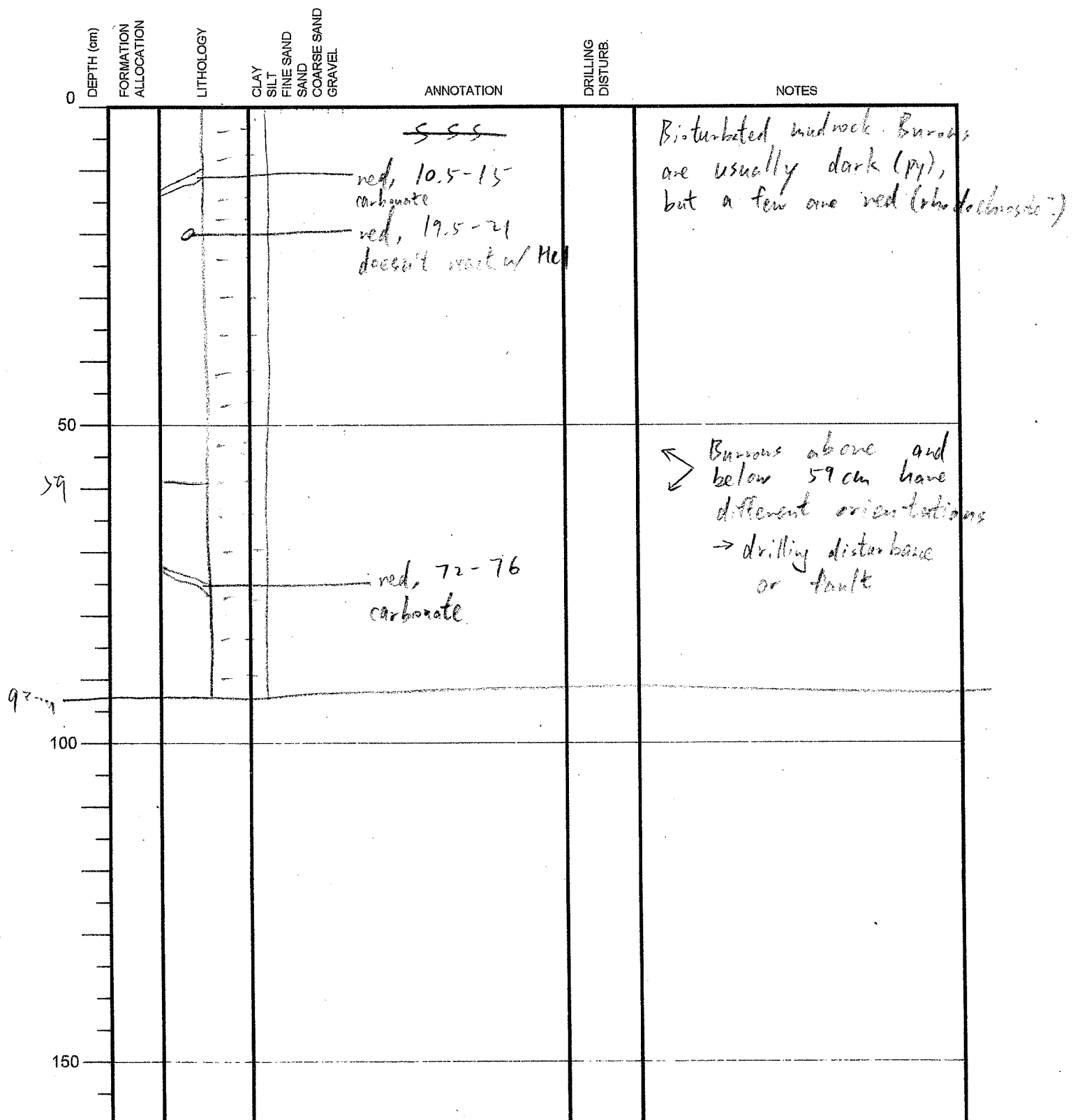
International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 88R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



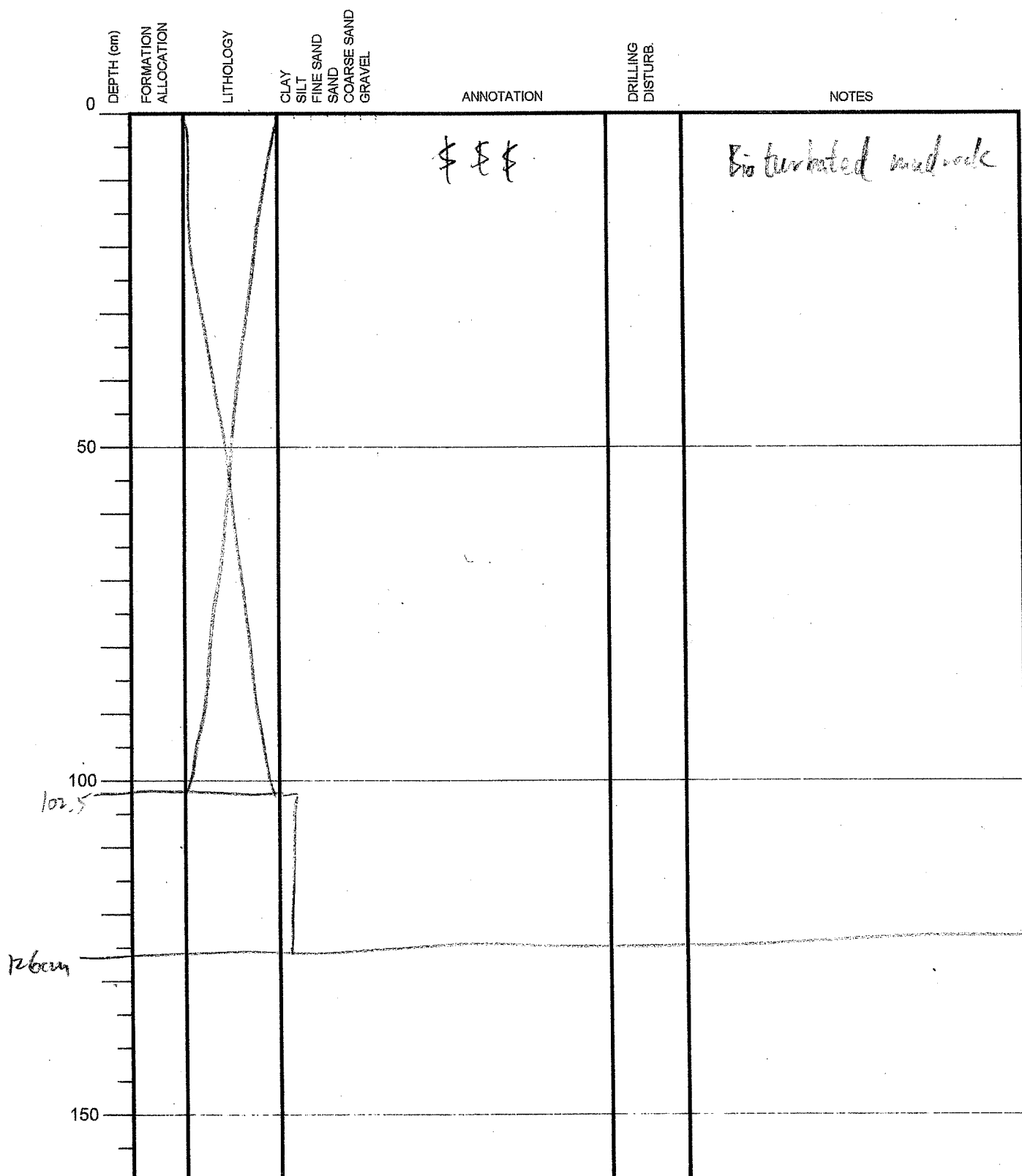
International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 88R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 18/10/2016

CORE: 88R

OBSERVER: MY

EXPEDITION: 370

SECTION: 4

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
88cm						Mudrock
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 88R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
	yellow			0.5-1.5 yellow carbonate burrow, 1cm 10-12 "		Mudrock
				28-33 ", 1-2cm		Numerous burrows, dark in colour (pyrite) But a few are yellow carbonate
50	yellow			46-50 yellow carbonate burrow		
	yellow			56.5-58 yellow carbonate burrow, 2cm		
				69-79 Heavily bioturbated, carbonate-rich area, m / same pp		
				86-90 "		
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE:

88R
EC

SECTION:

TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				SSS		Mudrock
50				green 41-43 py nodules, fresh greenish yellow associated w/ green & white mineralization		50cm
100				More white inside		
150						

International Ocean Discovery Program Visual Core Description

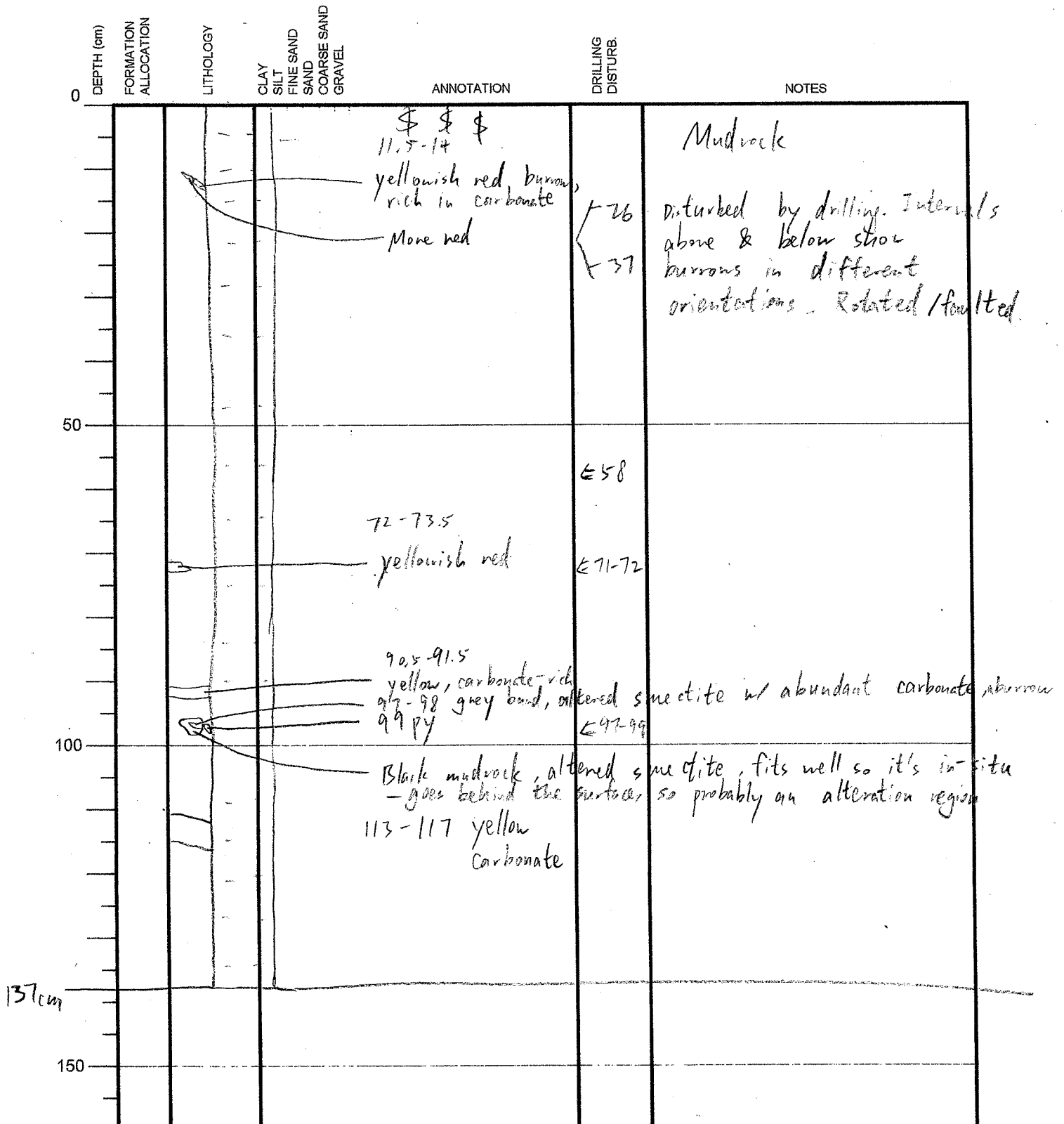
NO.

DATE: 28/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 89R
SECTION: 1
TOP DEPTH (m CSF): 918.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

A



International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

84R

SECTION:

2

TOP DEPTH (m CSF):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						
100				92-94 some white area - anhydrite? oxidized py fresh py	±80	
133.5				107-109 A reddish brown band		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 18/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 89R

SECTION: 5

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		Mudrock
				} fault plane?		
					← 25-28	
					← 51-53	
50				58-62 yellowish brown carbonate		
				62-68 brown, probably pyritized burrows		
100						
				119.5-121.5 brown oxidized py. vein		
122.5cm						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 28/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 89R

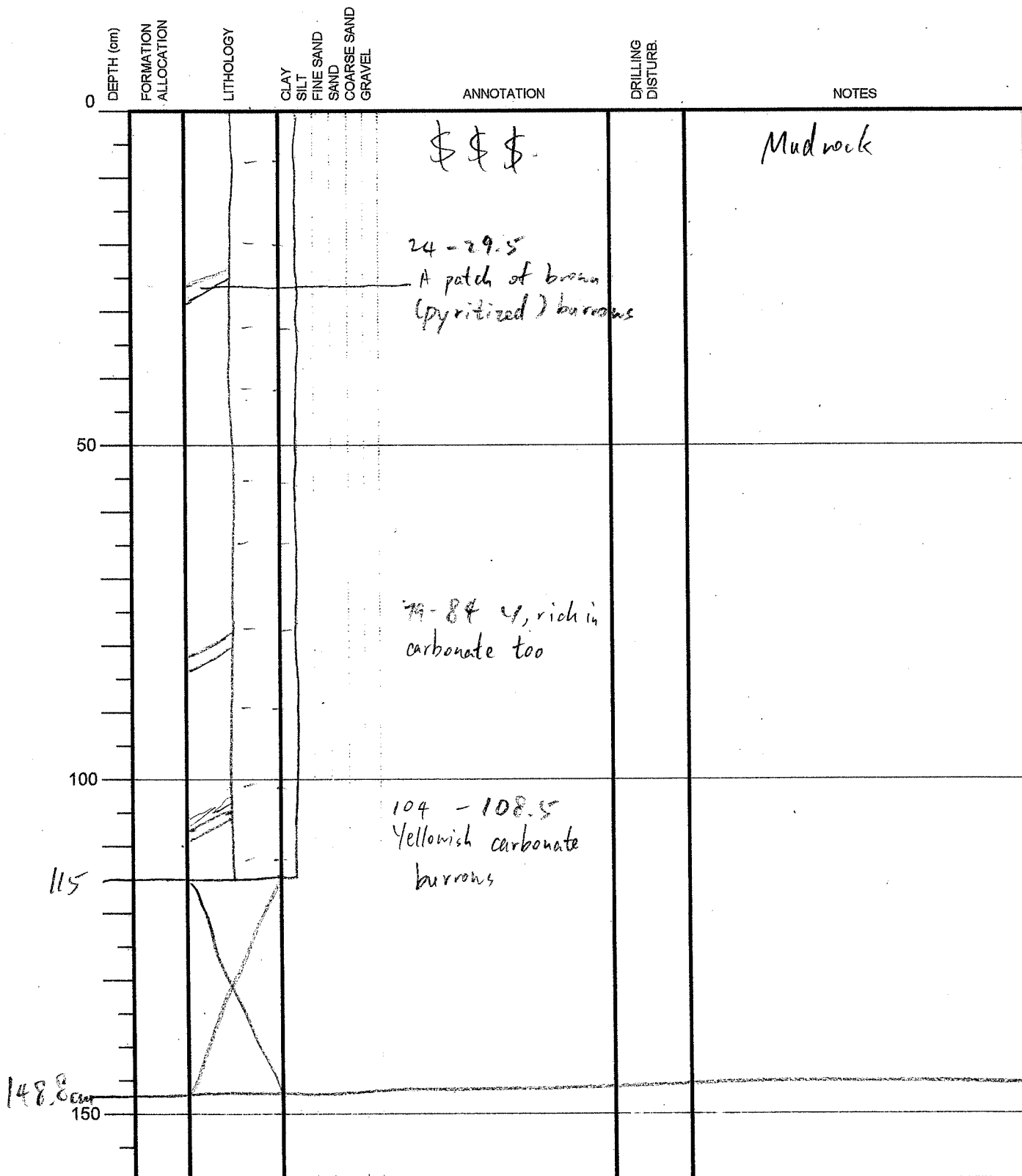
SECTION: 6

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 28/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE: 89R

SECTION: CC

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$ \$ \$	← 8-11	Mudrock
34.5					17	
50					34.5	
100						
150						

International Ocean Discovery Program

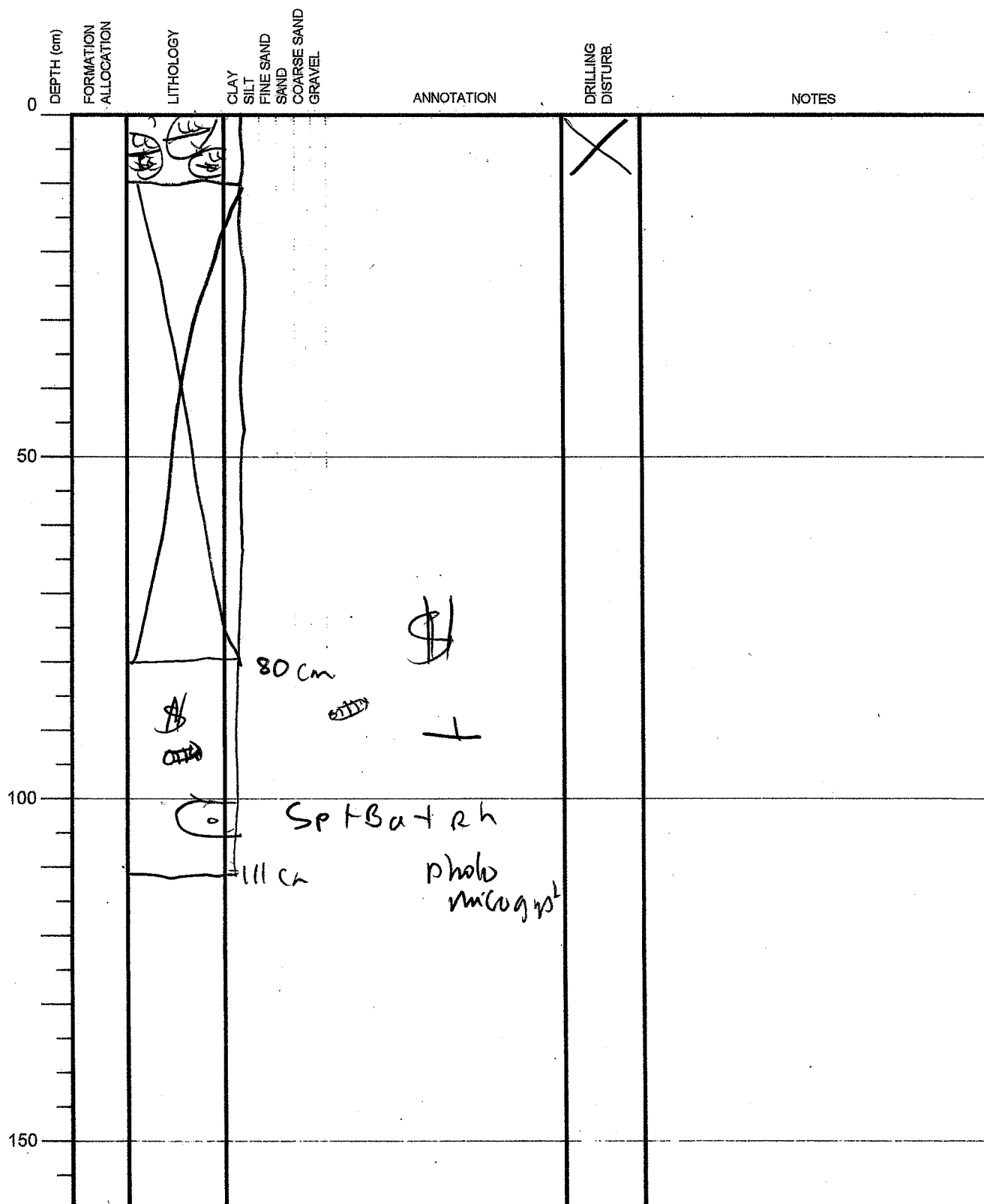
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 90R
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 90R

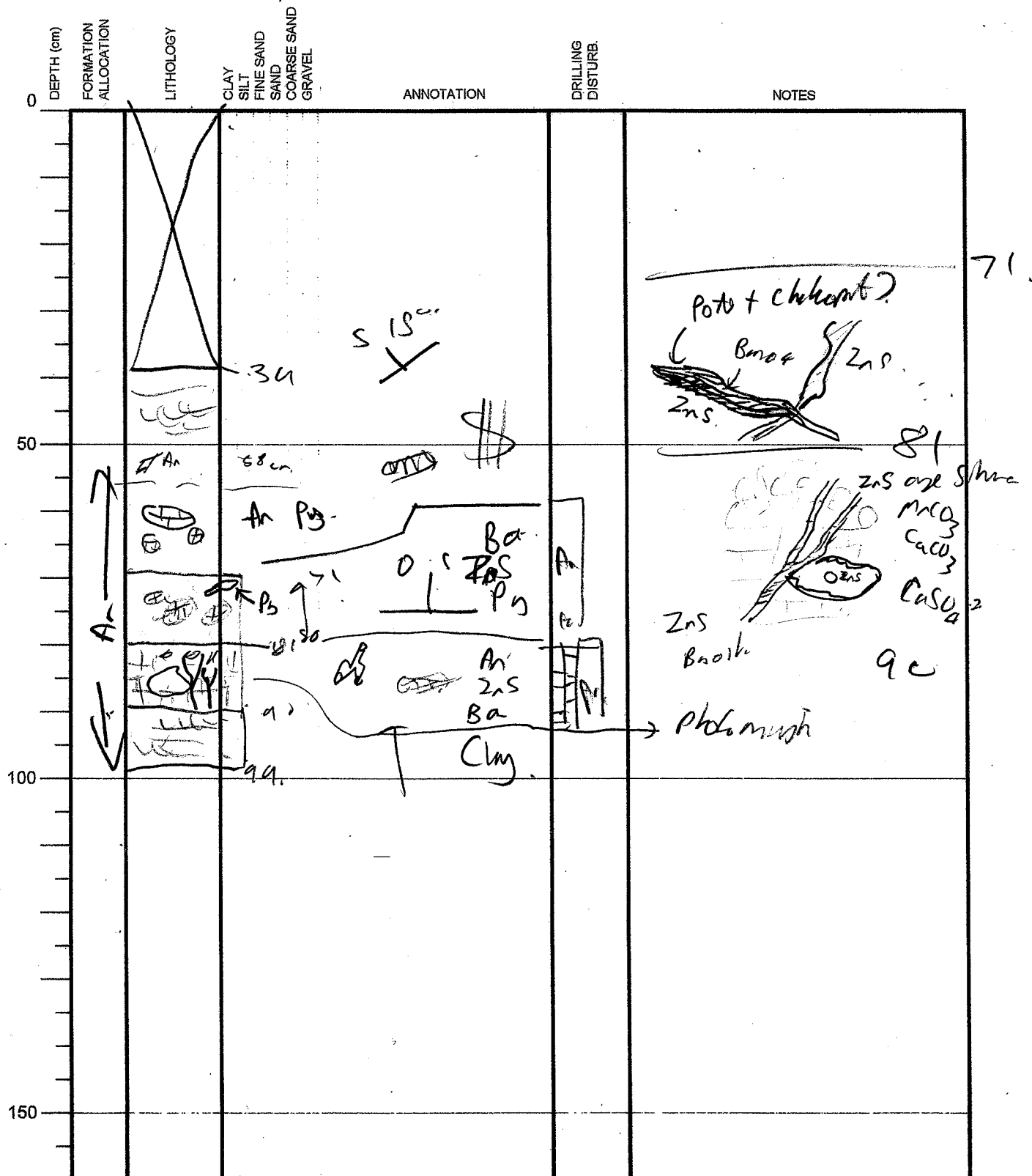
SECTION: 3

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

CORE: 902

OBSERVER:

EXPEDITION: 370

SECTION: 4

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Ba 0 a s -S 1		Hardly Broken
				vr dashed 6mm		
50						
				Ca benz mbr		
				2cm Inst. layer		
100						
150						

NO.

OBSERVER: **SAP**
ENTERED INTO J-CORES (DATE): **2/1** / 2016
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 91

SECTION: 1+2

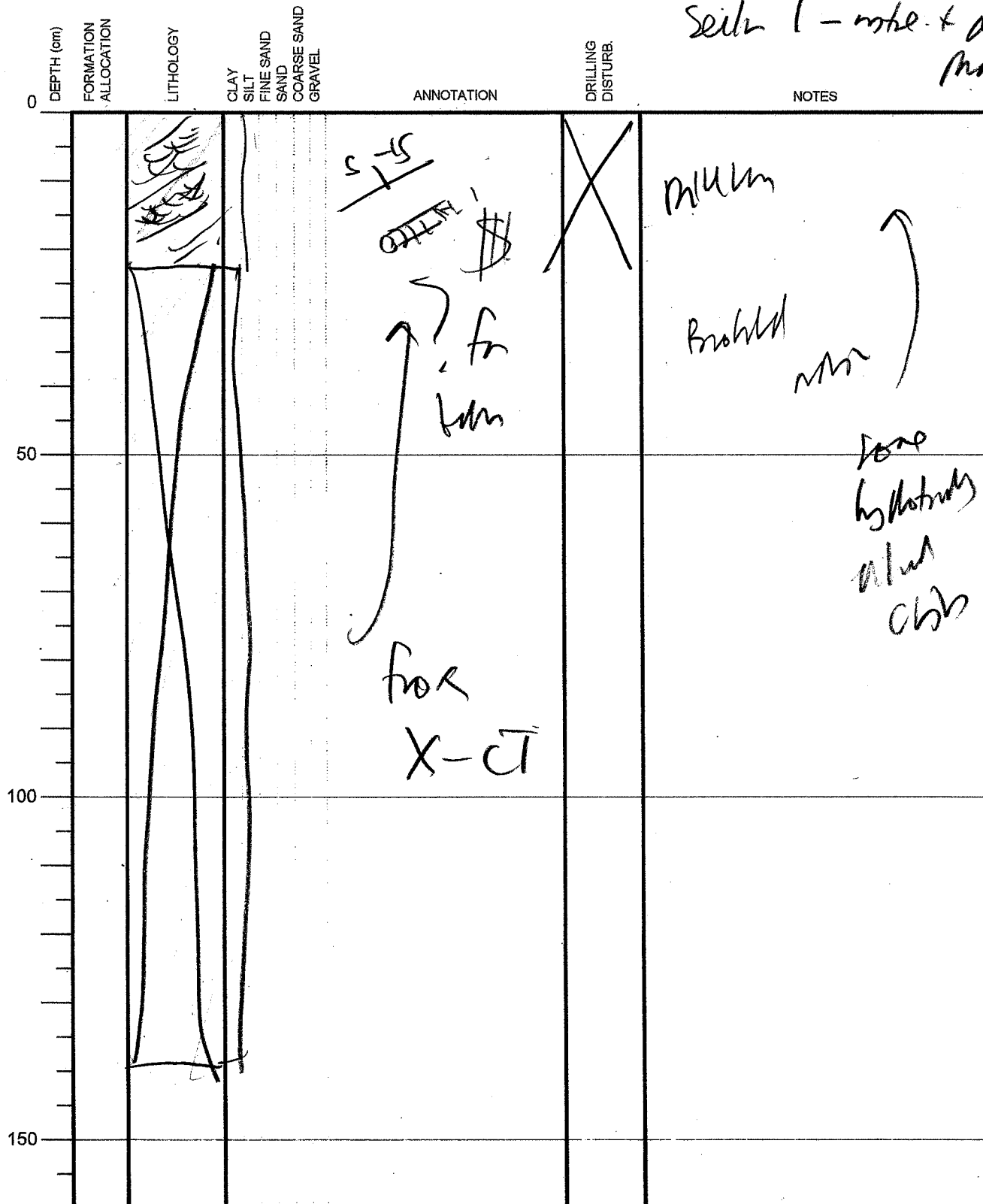
TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

Seils 1 - note + dig
Ind.



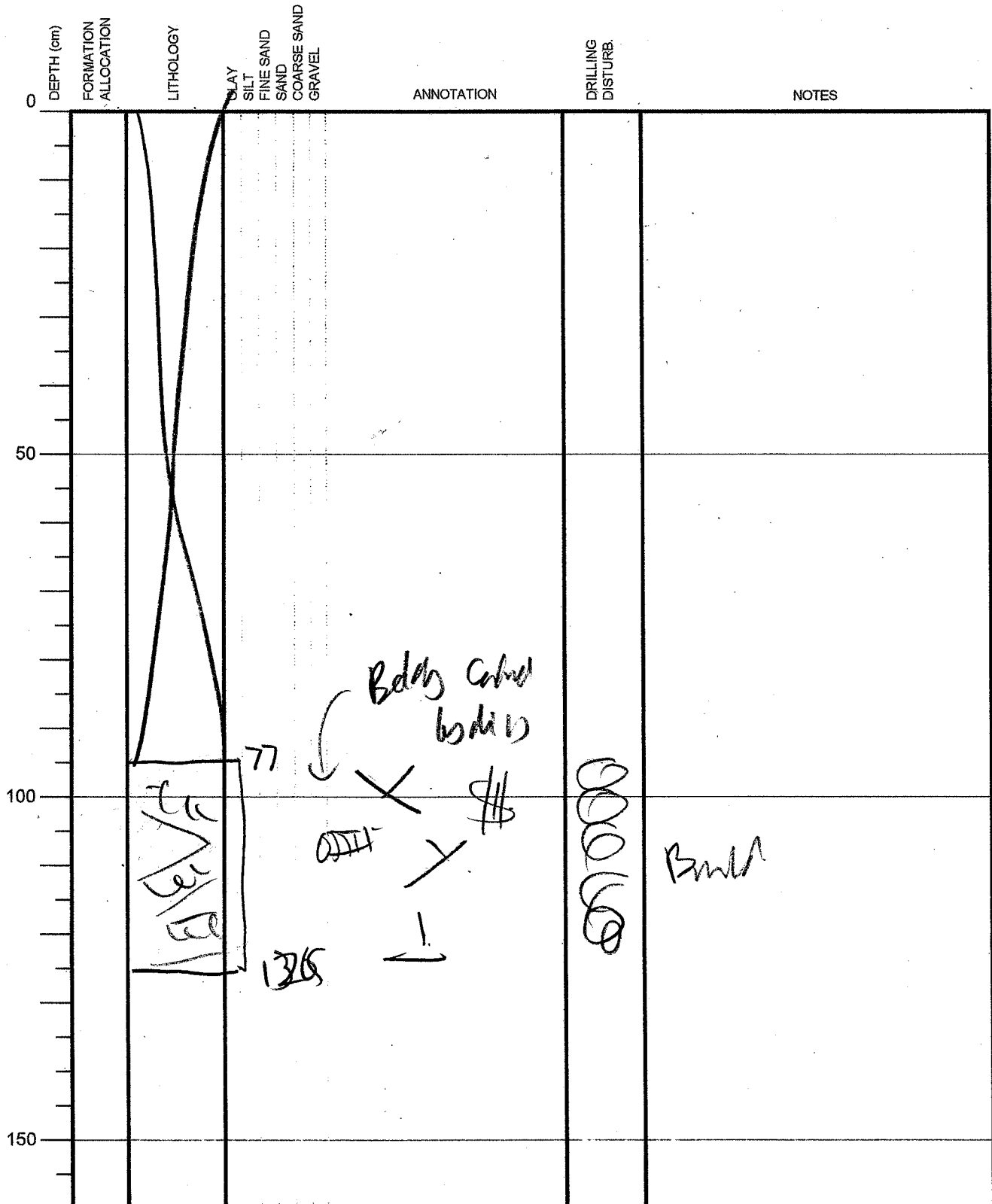
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 81
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER: SNO
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 91A
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				XCT Same Port but to Sue. as S2-90cm		
89				89		
100						
150						

NO.

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xls/x

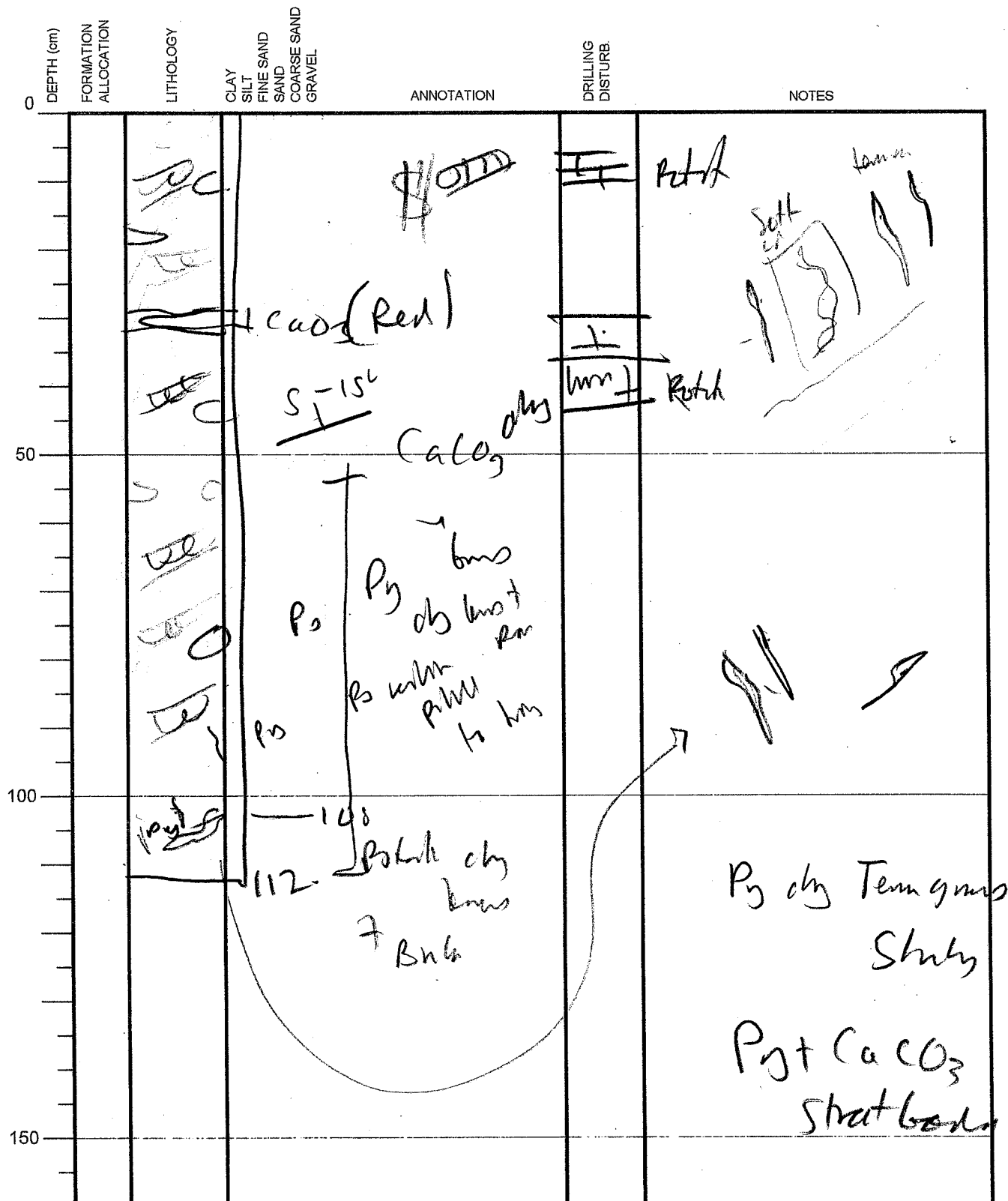
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 91 R
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

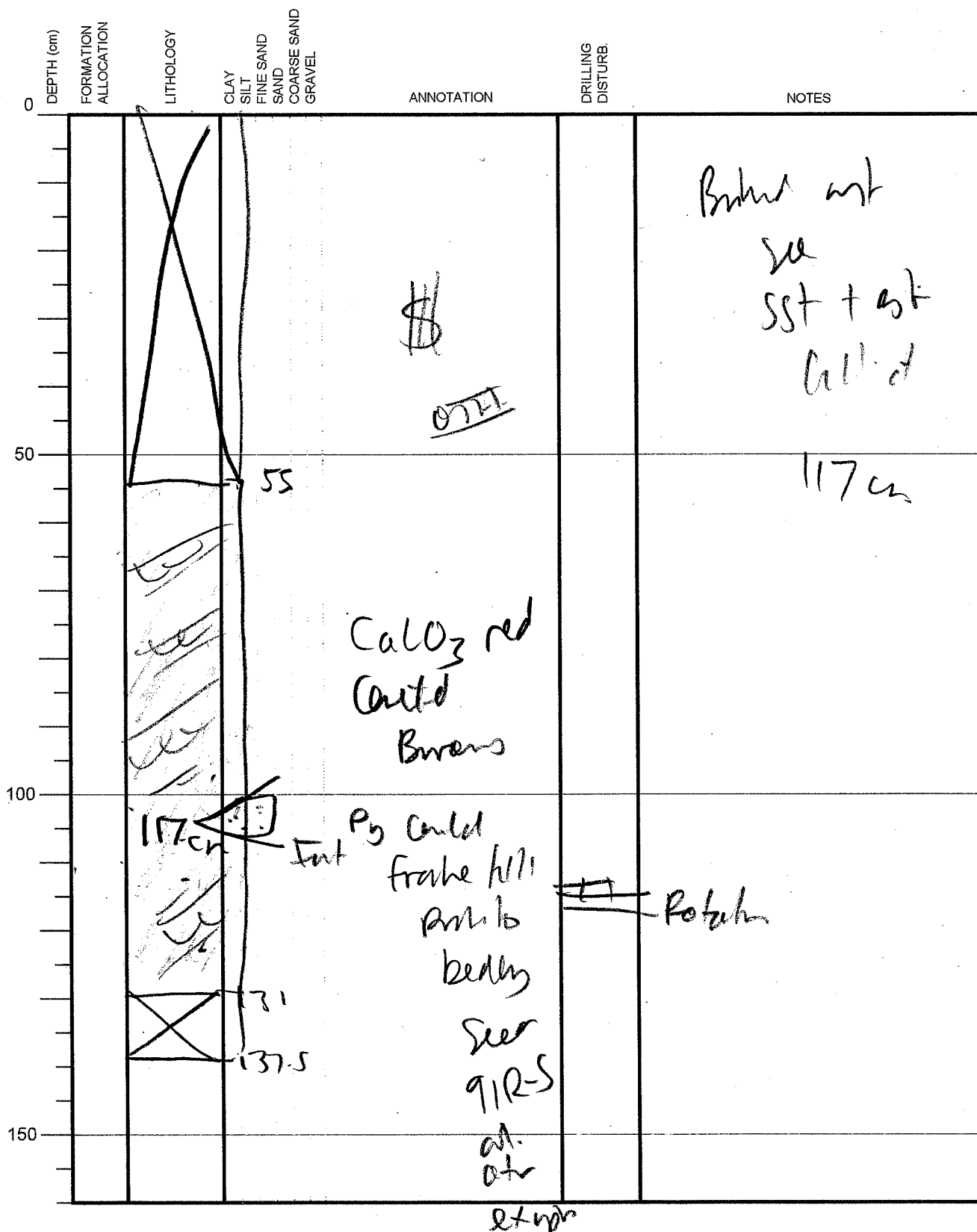
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 91R
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

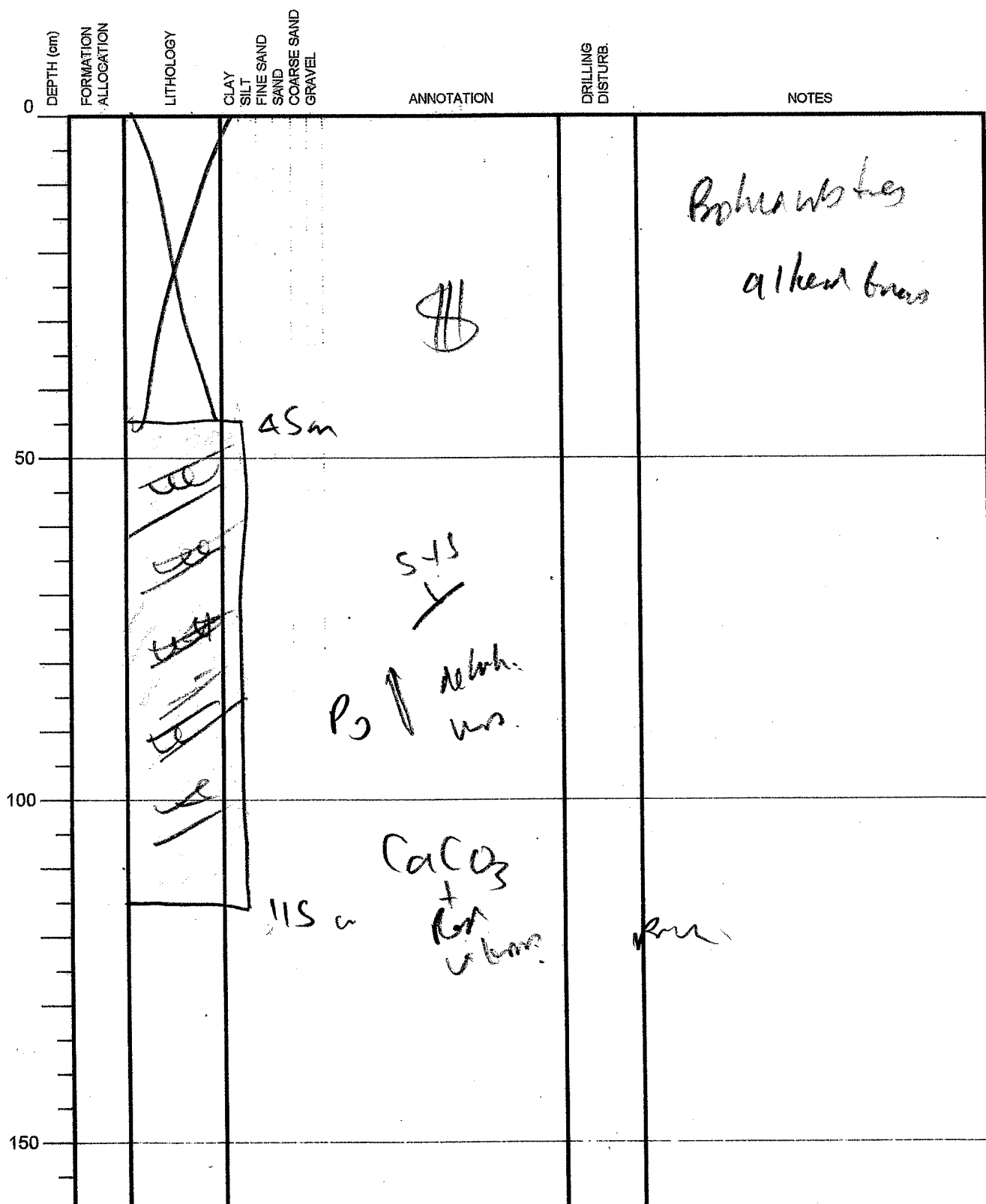
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 91R
SECTION: 8
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



NO. 3

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 19/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 92R

SECTION: 1

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				\$ \$ \$		Mudrock
50						
100				98.5-101 Red burrow. Check 87R for composition. Rich in carbonate.		
				105-106, 130-132 Green band		
142.5 cm						
150						

The mudrock is of paler grey in colour. Probably rich in anhydrite.

NO.

OBSERVER:

ENTERED INTO J-CORES (DATE):

TOP DEPTH (m GSF):

LOGGED FROM X-CT: YES / NO

146a.

International Ocean Discovery Program Visual Core Description

NO.

DATE: 29/01/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 92R
SECTION: 5
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				\$\$\$		Mudrock
50						
100						
				108-109.5, Reddish brown burrow ck. 87R for composition, Rich in carbonate		
136.5 cm						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 29/01/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 93R
SECTION: 1
TOP DEPTH (m GSF): 95-7.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		Mudrock
50						
53cm						
100						
150						

Mudrock of this core appears white.
Rich in anhydrite.

International Ocean Discovery Program Visual Core Description

NO.

DATE: 29/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 93R
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		Mudrock
45-49				yellowish brown, rich in carbonate		
82.5-83.5				white (anhydrite?) bg. w/ py nodules		
85.5cm						
100						
150						

International Ocean Discovery Program Visual Core Description

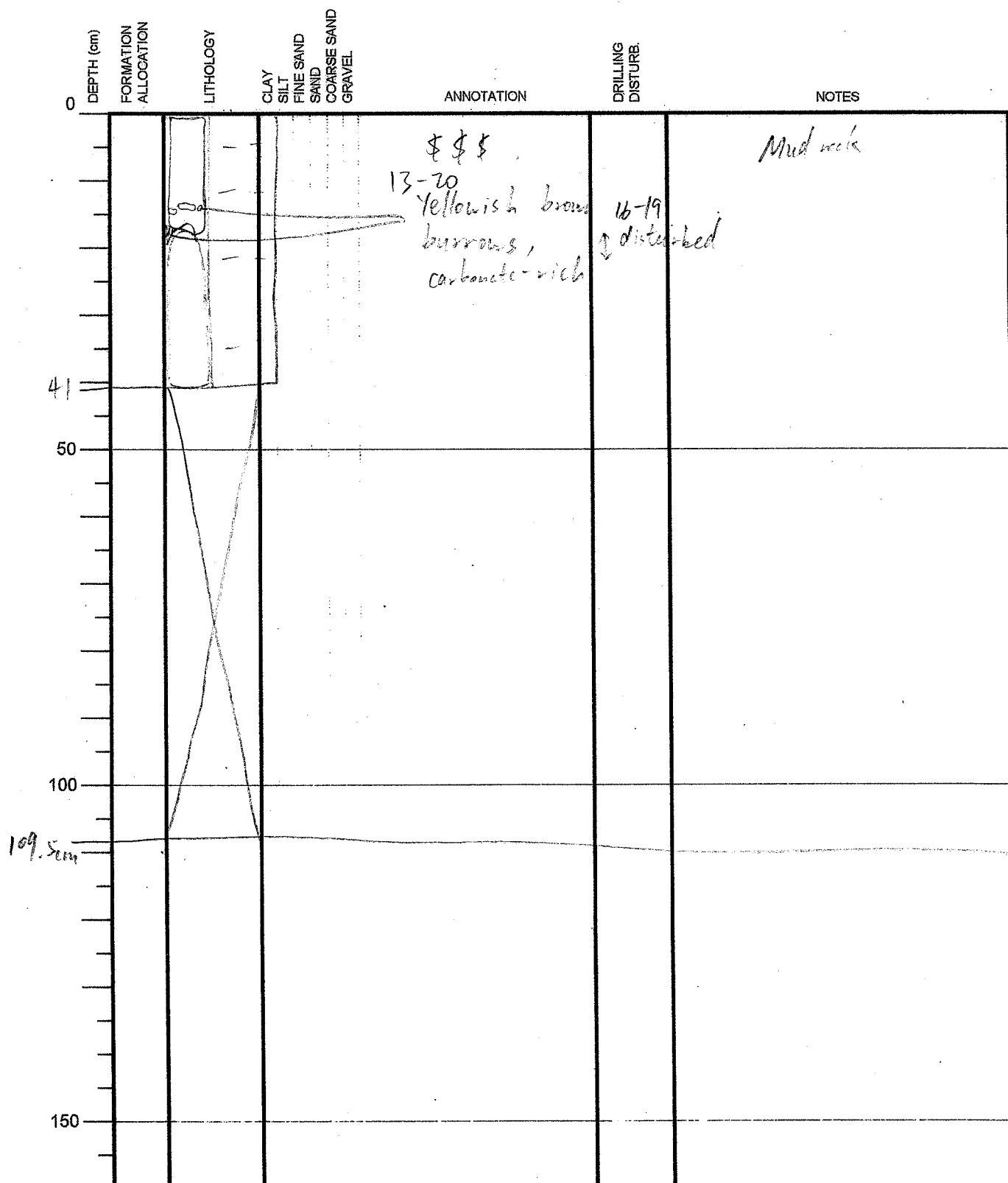
NO.

DATE: 29/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

A

CORE: 93R
SECTION: 3
TOP DEPTH (m GSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



NO.

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xls/x

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 29/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 93R
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / /2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT	FINE SAND SAND	COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						pale brown, reacts w/ 10% HCl 6-9 Brown burrows Do NOT react w/ HCl \$\$\$		carbonate? Elongated, small grain. Kibo: Definitely not dolomite. Mudrock
50								
75						78-79 Brown carbonate burrow	75-76	
95cm								
100								
150								

International Ocean Discovery Program Visual Core Description

NO.

DATE: 29/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 93 R
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				\$\$\$		Mudrock
77						
100						
112 cm						
150						

International Ocean Discovery Program

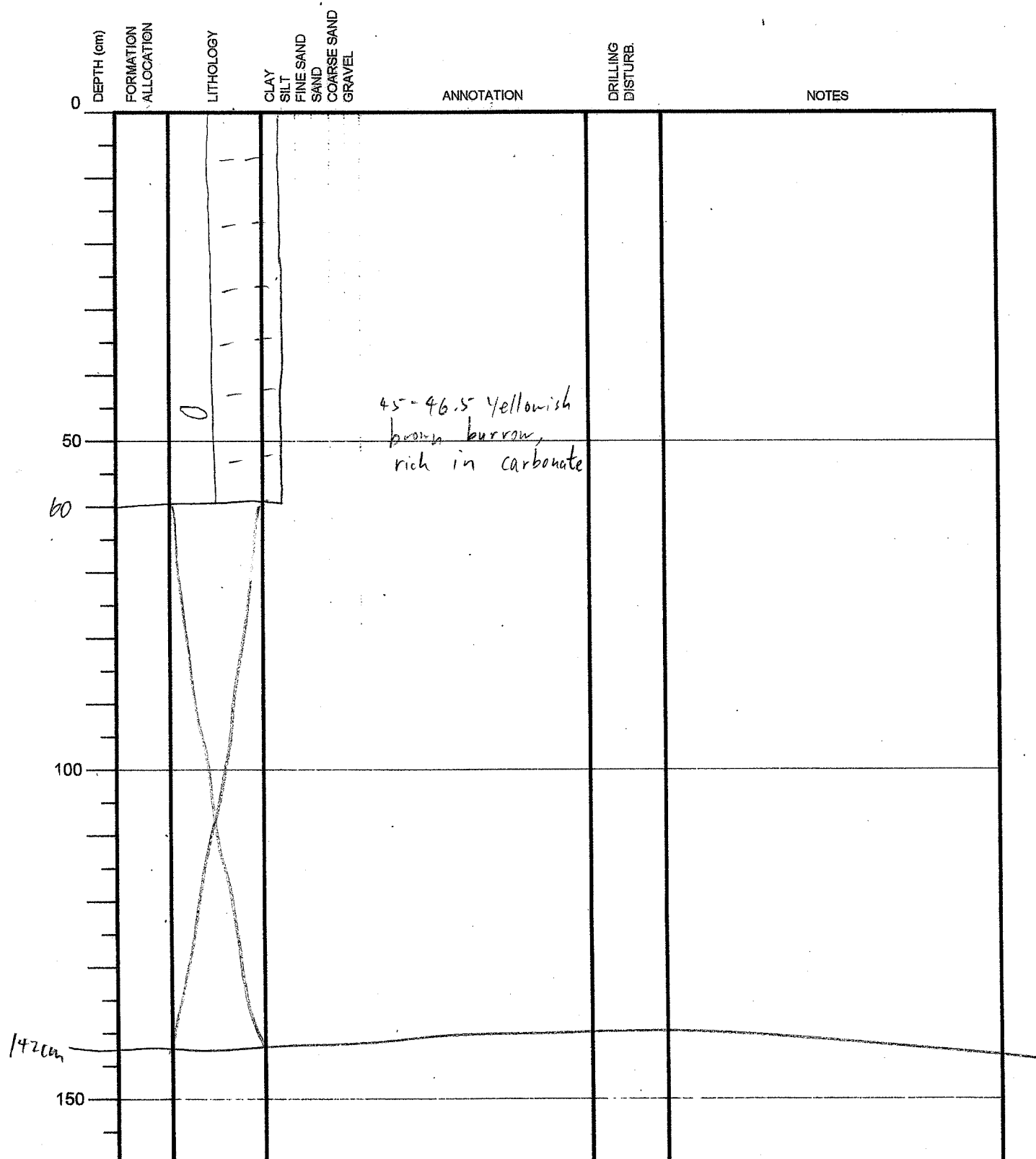
Visual Core Description

NO.

DATE: 11/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 93R
SECTION: 8
TOP DEPTH (m GSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 29/10/2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 93R
SECTION: 9
TOP DEPTH (m CSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$ E \$		Mudrock
50						
100						
120cm				116-119 faulted yellowish brown patch, rich in carbonate	E104-106	* Shiny, silvery grains & some orange & green grains in the drilling mud. Horizontal in the core in the well
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 29/10 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/ A

CORE: 93R
SECTION: 10 + CC
TOP DEPTH (m GSF):

OBSERVER: MY
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT	FINE SAND SAND	COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						\$\$\$		Mudrock
32								
50								
100						\$\$\$		Mudrock
18								Burrow orientation changes
40.5cm							32 40.5	Disturbed
50.180								

87 - Reddish

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 94R
SECTION: 1
TOP DEPTH (m CFS):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT	FINE SAND SAND	COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0								
						brms no a few		+ fine
50								
100								
150								

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 94 R
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
		B/3/13		unatend mobile		
50		B/1		litore		
		B/1		GLT Bo 100		
00		12		unab not.		
		124 cm				
150						

NO.

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

370-VCD_sheet_160921.xlsx

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 94R
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				unadulterated		
				25cm		
				poorly un but not		
				5.15		
				4.3cm		
50				50cm		
				S3		
				Fnl/bi		
				0.5		
				CPD note		
30				Alkal. brown		110cm yellow
				110cm		brown
				poorly brown		
				Rh. Yellow		
				+Ca		
				the		
				poorly		
150				IAS		

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 94R
SECTION: 7
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Port well		
				Rhodm + Redbm + Port		Ported Rock Wen.
				26cm Py		
50						
				uncl		
				Py		
				Ported bony + Sand who O/R. Sedg Probsh bony wt		
100				os		
				ing cm Basal un		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 9A2
SECTION: 8 tcc.
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0		tcc				
		tu		Saly whet		
		tts		bones		
		—				
		tts		an		
50				Pg.		
		~				
		~		Arher		
		~				
		~				
100		~				
		~				
		~				
		~				
		~		106 cm		
		~		CC.		
		~		0.51		
		~				
		~				
		~		Pg.		
150		~		039.5		

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE:

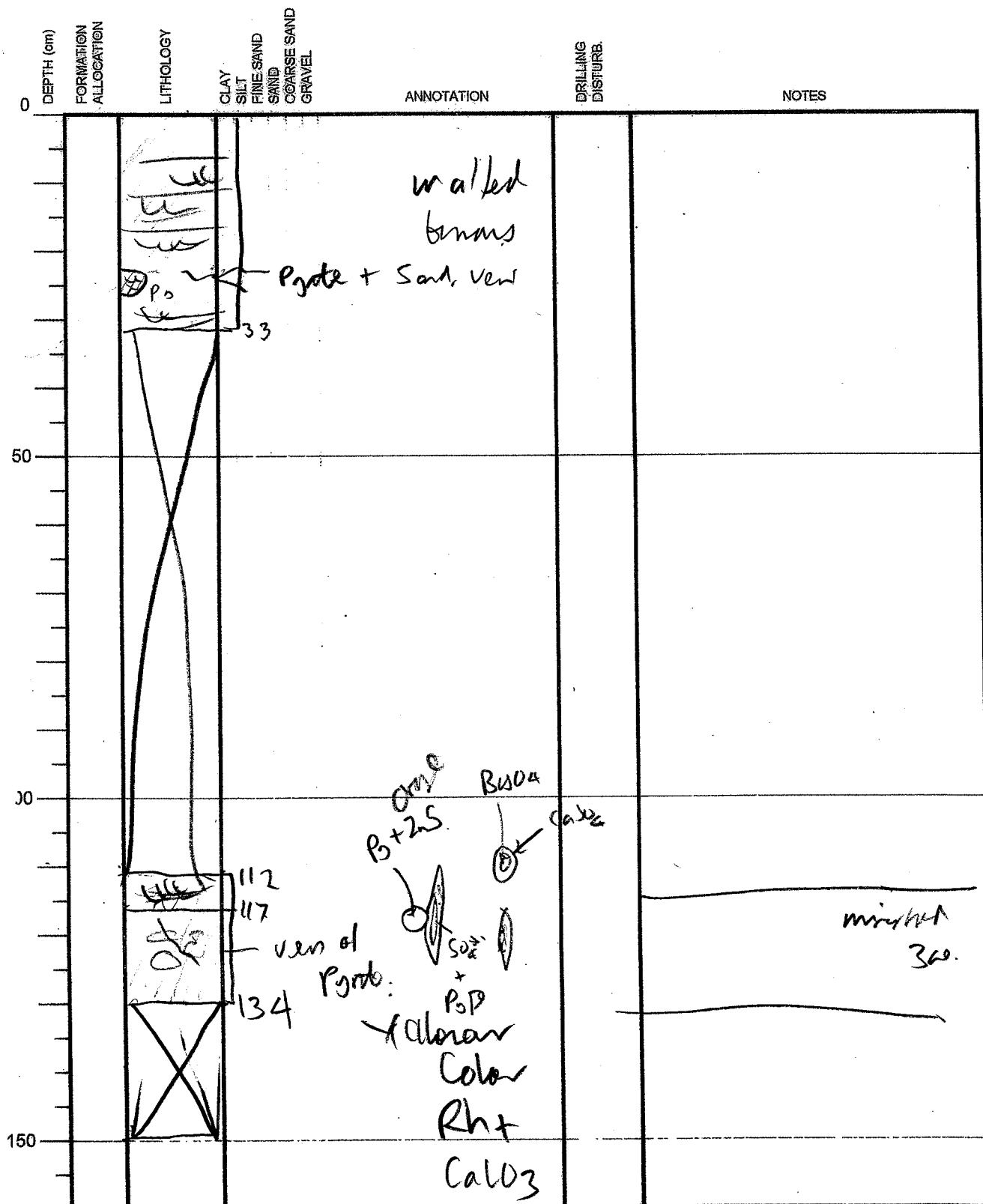
SECTION: 1

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 9SR
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				25 75 PyS / Cal₃ Py / A? 59 cm. Clay-silt shale Brown Yellow Carbonate		Hand hole full a bit: Ver Py, ZnS ground m drill BaSO₄, Cal₃ Clay..Py ZnS
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

CORE:

95R

OBSERVER:

SAB

EXPEDITION: 370

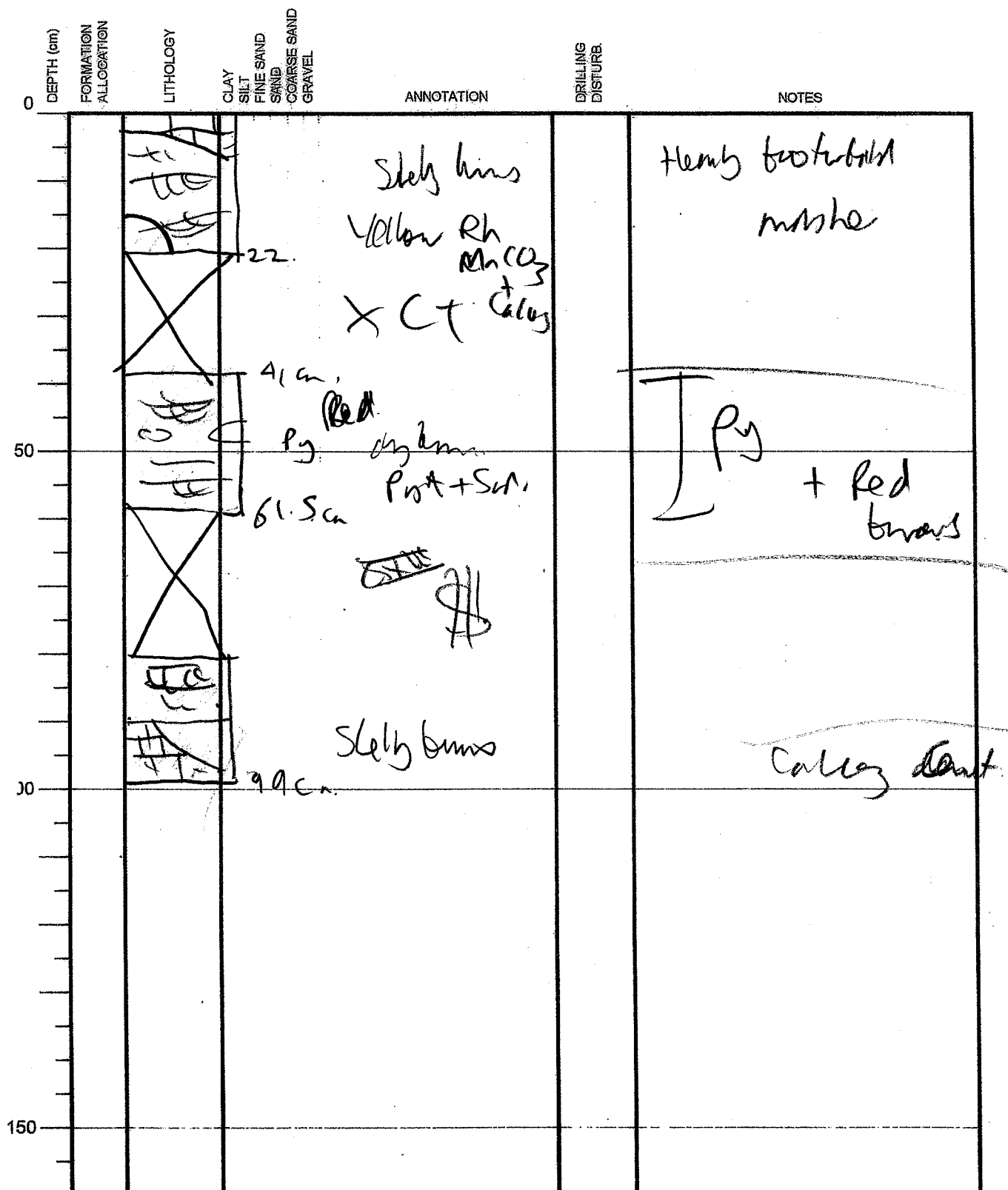
SECTION: 4

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO



NO.

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

TOP DEPTH (m GSF):

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 95R
SECTION: 6
TOP DEPTH (m CSF): $\checkmark$ 984

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				Red brns Verm. Py + An darker An + Zn + Py Red brns		Boulder host more calc on top
50				Py Py Yell ^{TS} - $CaCO_3 + MnCO_3$ 75 cm Rhodochrosite 82 cm grey Py? siliceous?		
100				CC 0 cm Yell ^{TS} $CaCO_3$ darker 20 cm		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 96
SECTION: 1
TOP DEPTH (m CSF):

OBSERVER: SAB #2.
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Bob note Yellow		Bob note
50						
				Silt fill bms		
100				Unkn		
				Py resins Bayk		
150						

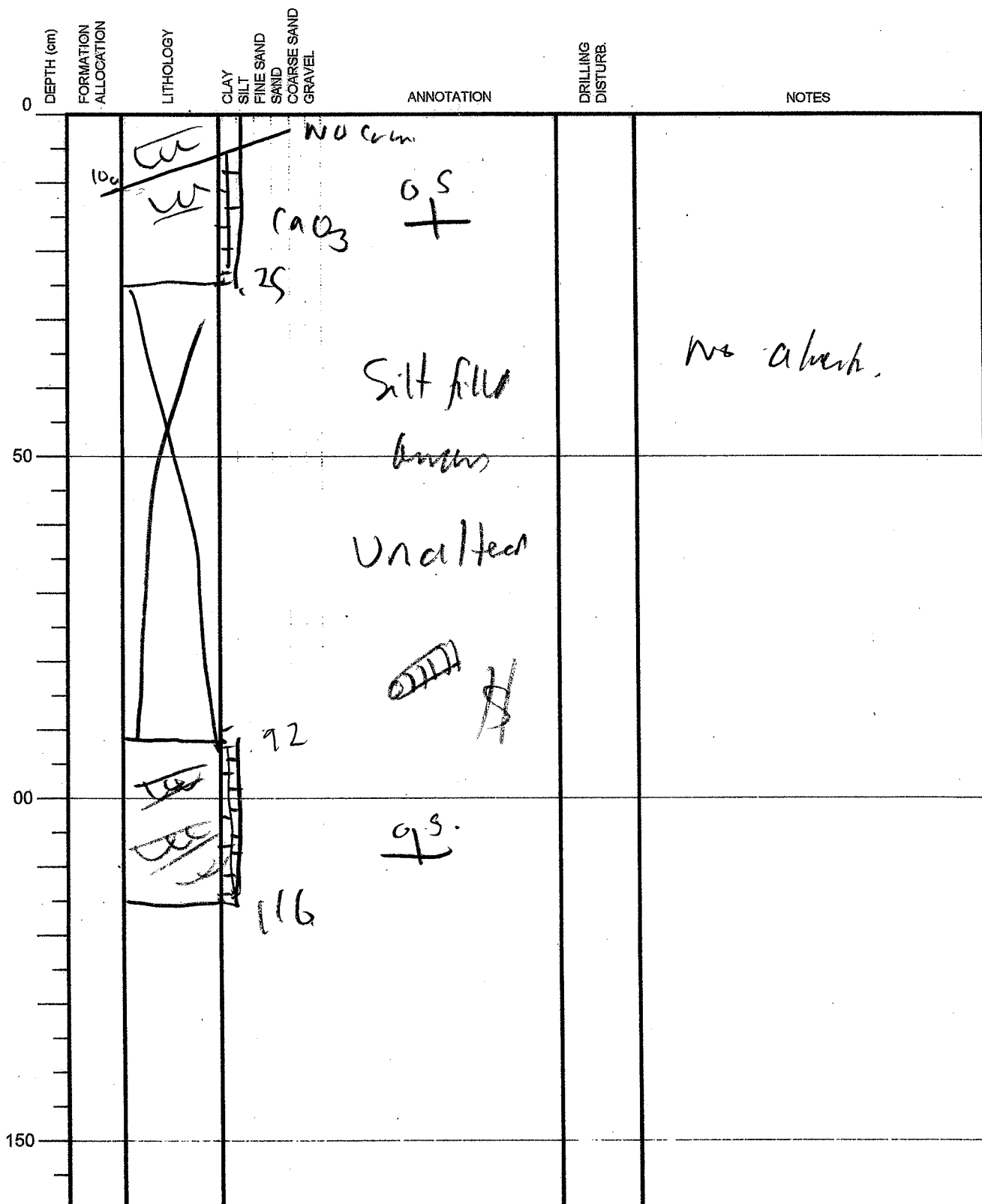
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 96
SECTION: 2
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-GORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



NO.

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						Bubbled nodules + hand little at top.
100						
150						

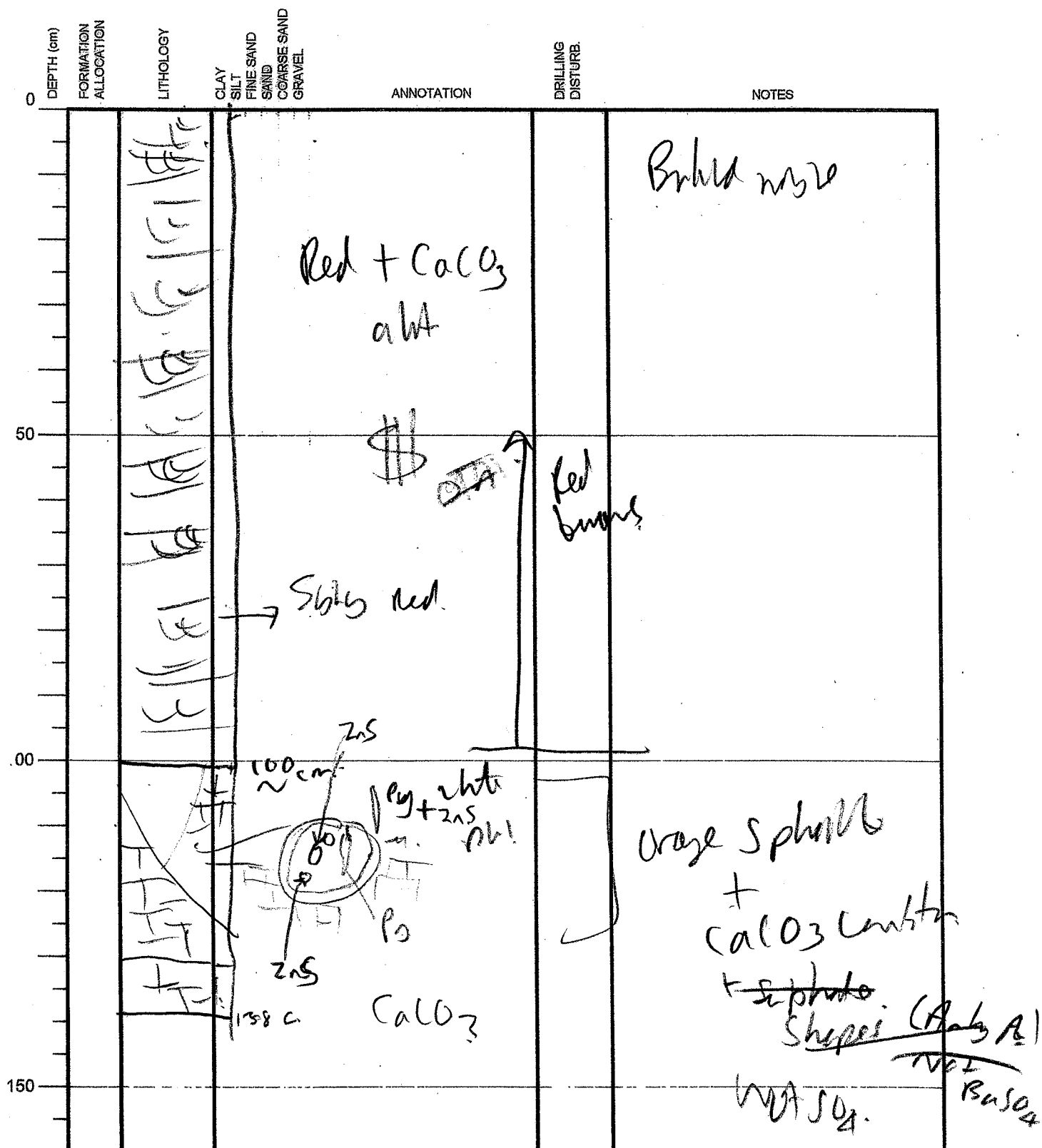
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 96R
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

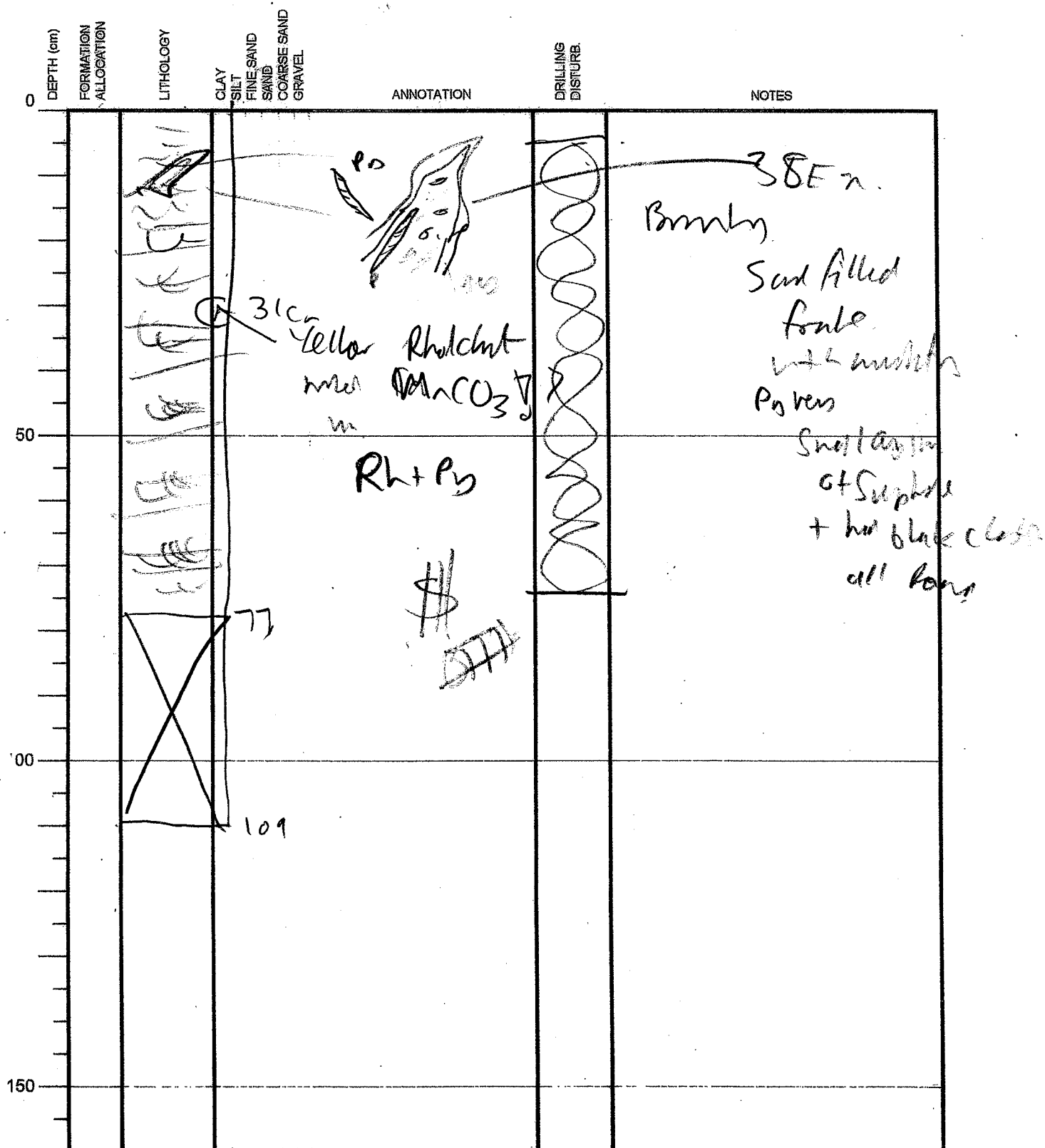
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 96R
SECTION: 7
TOP DEPTH (m CSR):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



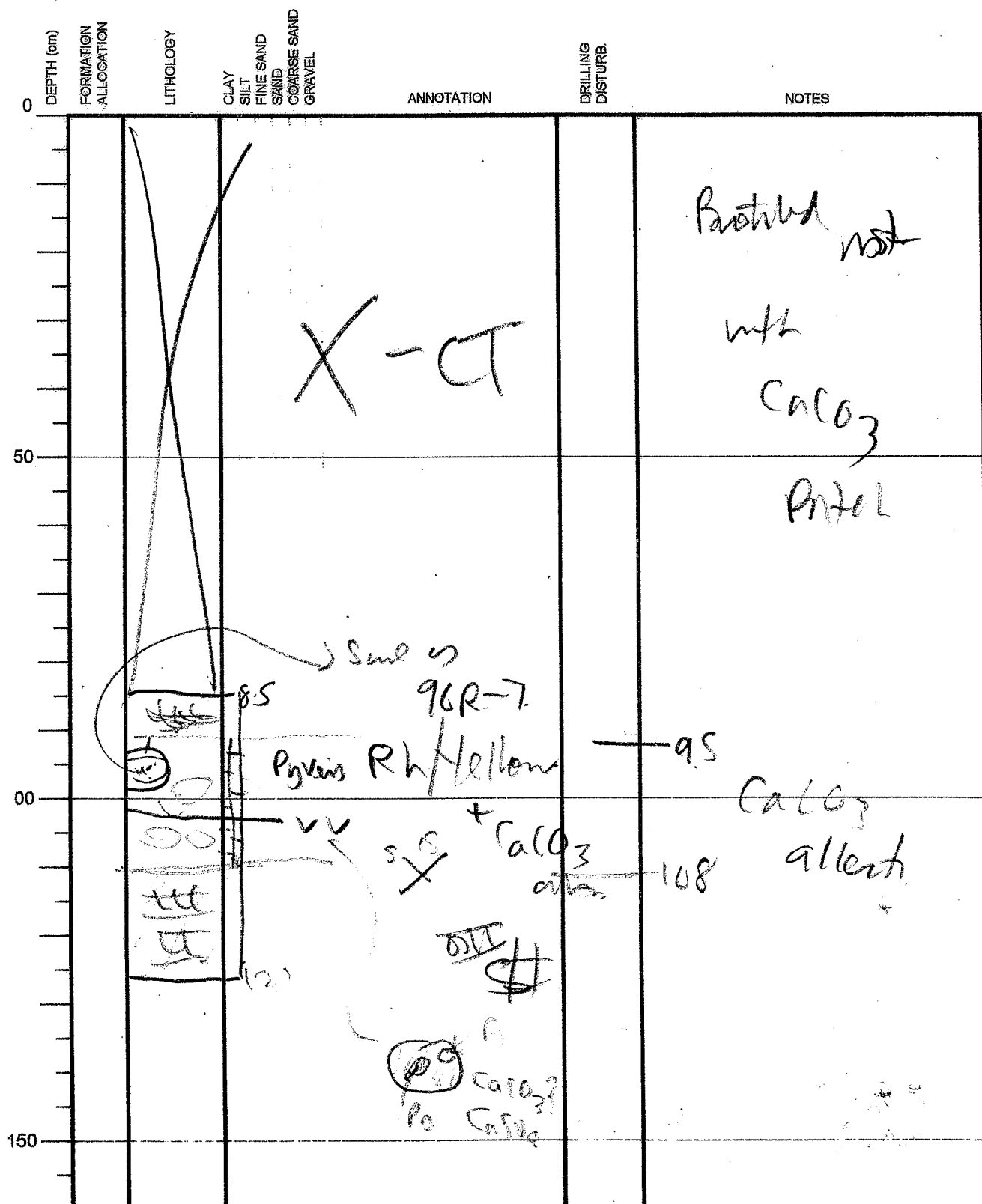
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 96R
SECTION: 8
TOP DEPTH (m CSF):

OBSERVER: SAR
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE:

SECTION:

TOP DEPTH (m CSR):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-GT: YES / NO

logged in

96R + CC

SAB

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				RL Bmms n RL CC		
70				Rh n Bmms		Bmms
80						
150				25 caloz light CC Archive		Arch Bmms

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 97R

SECTION: 1

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$ \$ \$		Mudrock
				12-13, 5, 23-25, 41, 46-47 yellowish, rich in carbonate brown Rh.		
50						
				85-87 brown, rich in carbonate ↓ Rhododark		
100						
105cm						
150						

International Ocean Discovery Program

Visual Core Description

NO.

DATE: 30/10/2016

CORE: 97R

OBSERVER: MY

EXPEDITION: 370

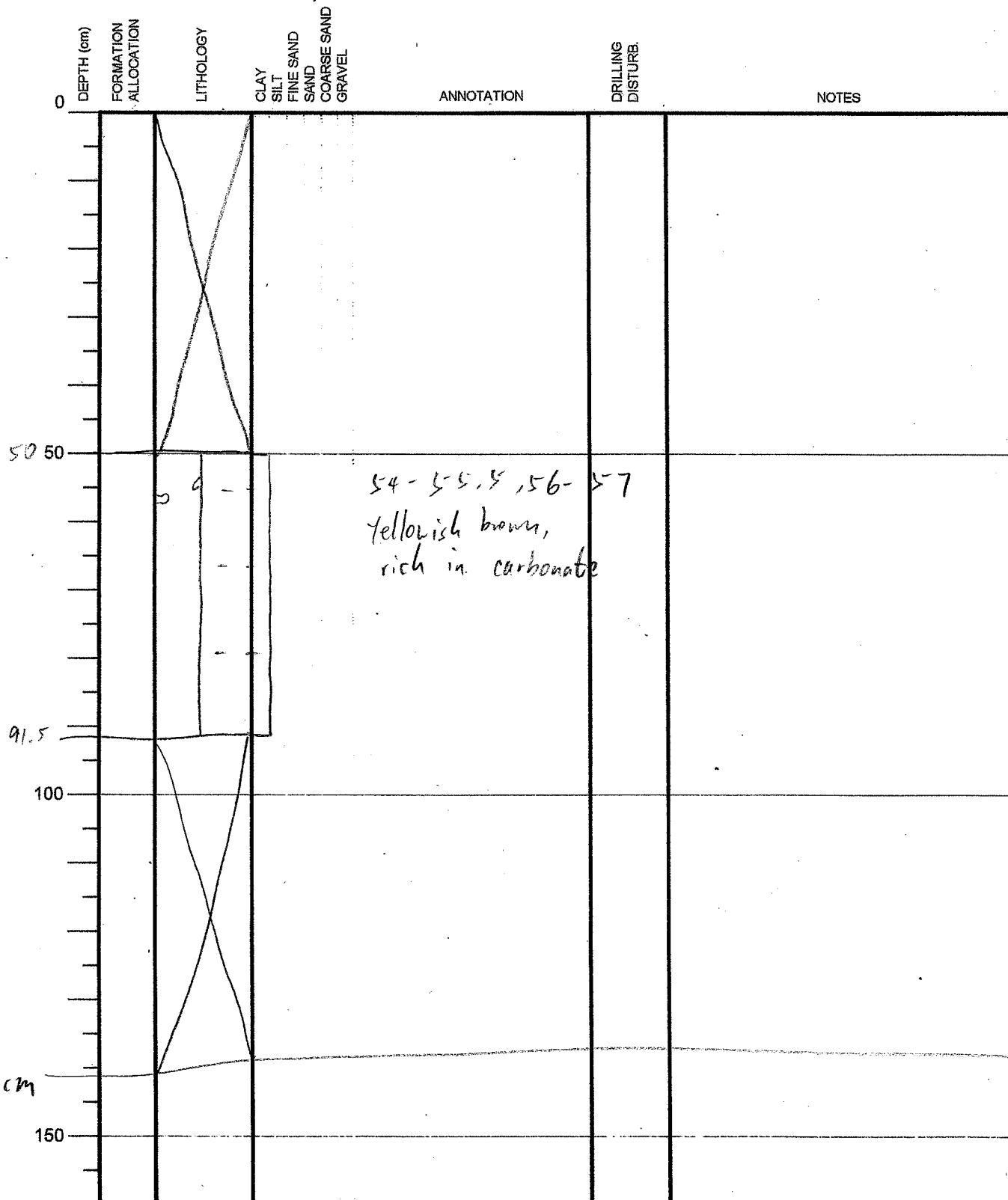
SECTION: 2

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program

Visual Core Description

NO.

DATE: 30/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE: 97R

SECTION: 3

TOP DEPTH (m CSF):

OBSERVER: MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				\$ \$ \$		Mudrock
50						
55				75-77 pyrite vein		
100						
102						
116.7m						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 30/10/2016

CORE: 97R

OBSERVER: MY

EXPEDITION: 370

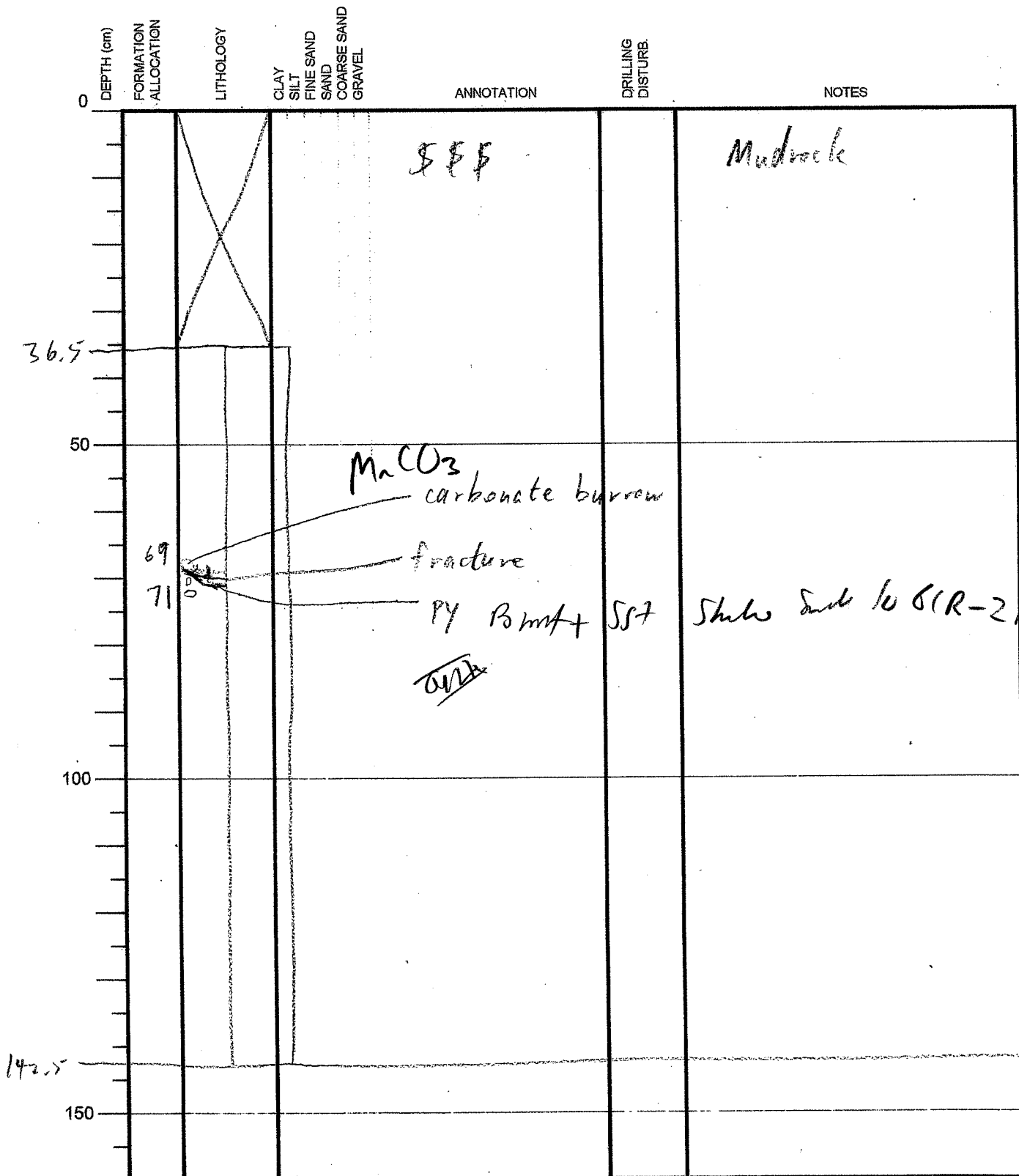
SECTION: 5

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/ A

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 97R.
SECTION: 6
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				#6		
				Subt		
50				Integrals		
				mixed 3 m to 10 m		
				Pb + Silt		
				Pb + Silt Sand		
100				61R-2		
				122		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

CORE:

97R + CC

OBSERVER:

SAR

EXPEDITION: 370

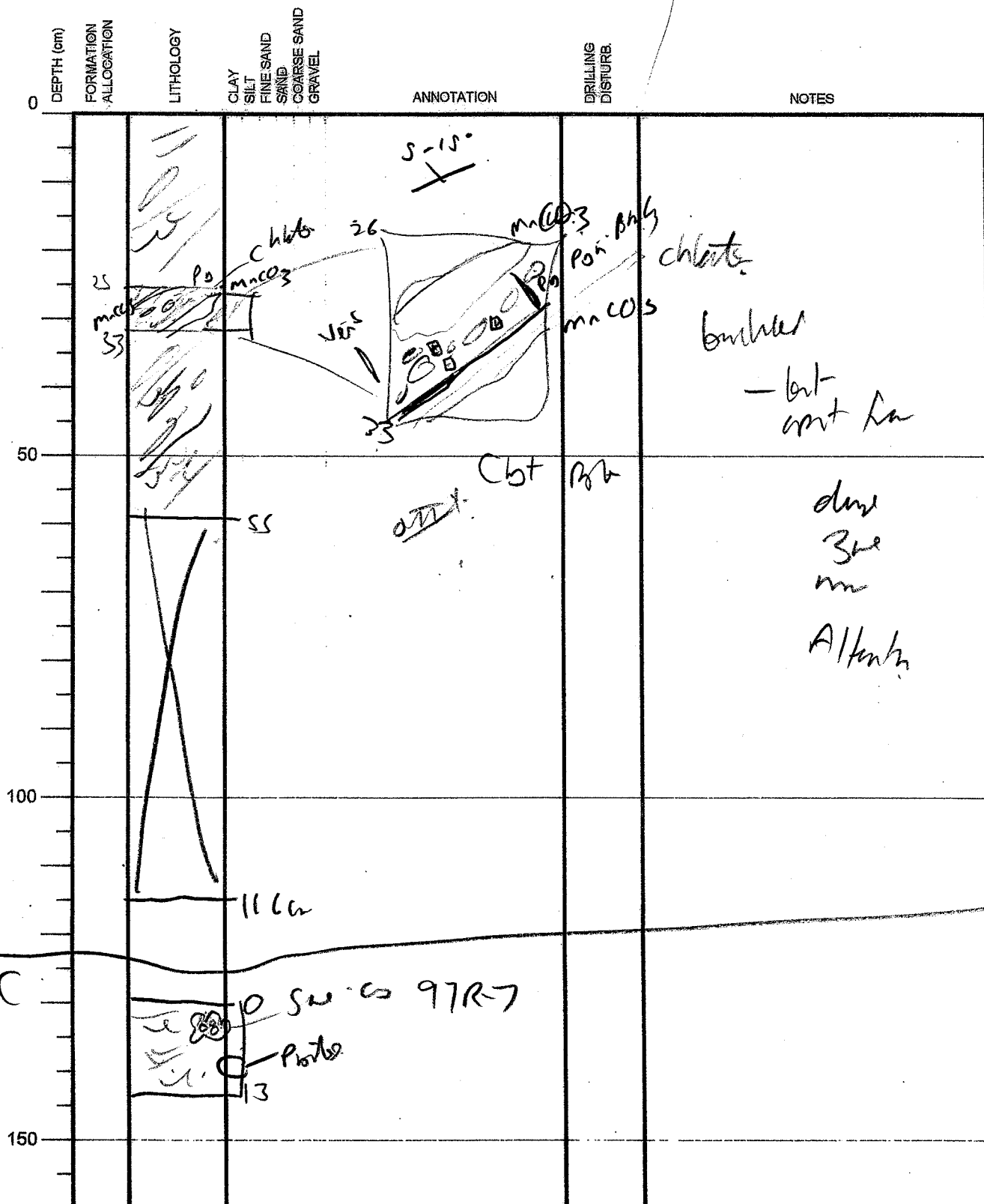
SECTION: 7

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 98R
SECTION:
TOP DEPTH (m CSE):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Bm to JE Bgt CaCO ₃		SP+Pg 0.5m
				S-15 I		
50						
				64cm		
100						
150						

NO.

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO



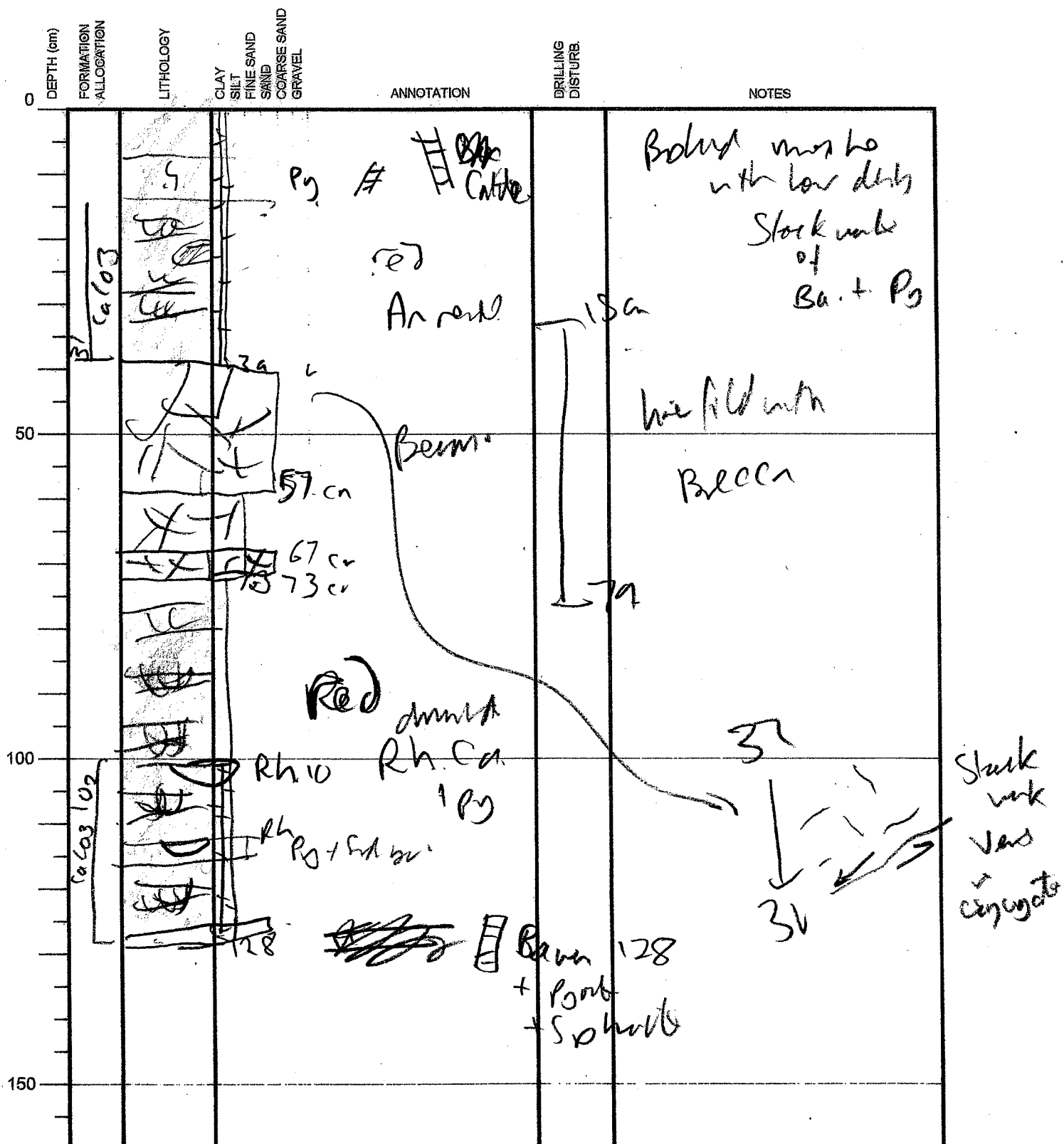
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 98R
SECTION: 3
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



NO.

LOGGED FROM X-CT: YES / NO



NO.

OBSERVER:

ENTERED INTO J-CORES (DATE): 1 / 2016

LOGGED FROM X-CT: YES / NO



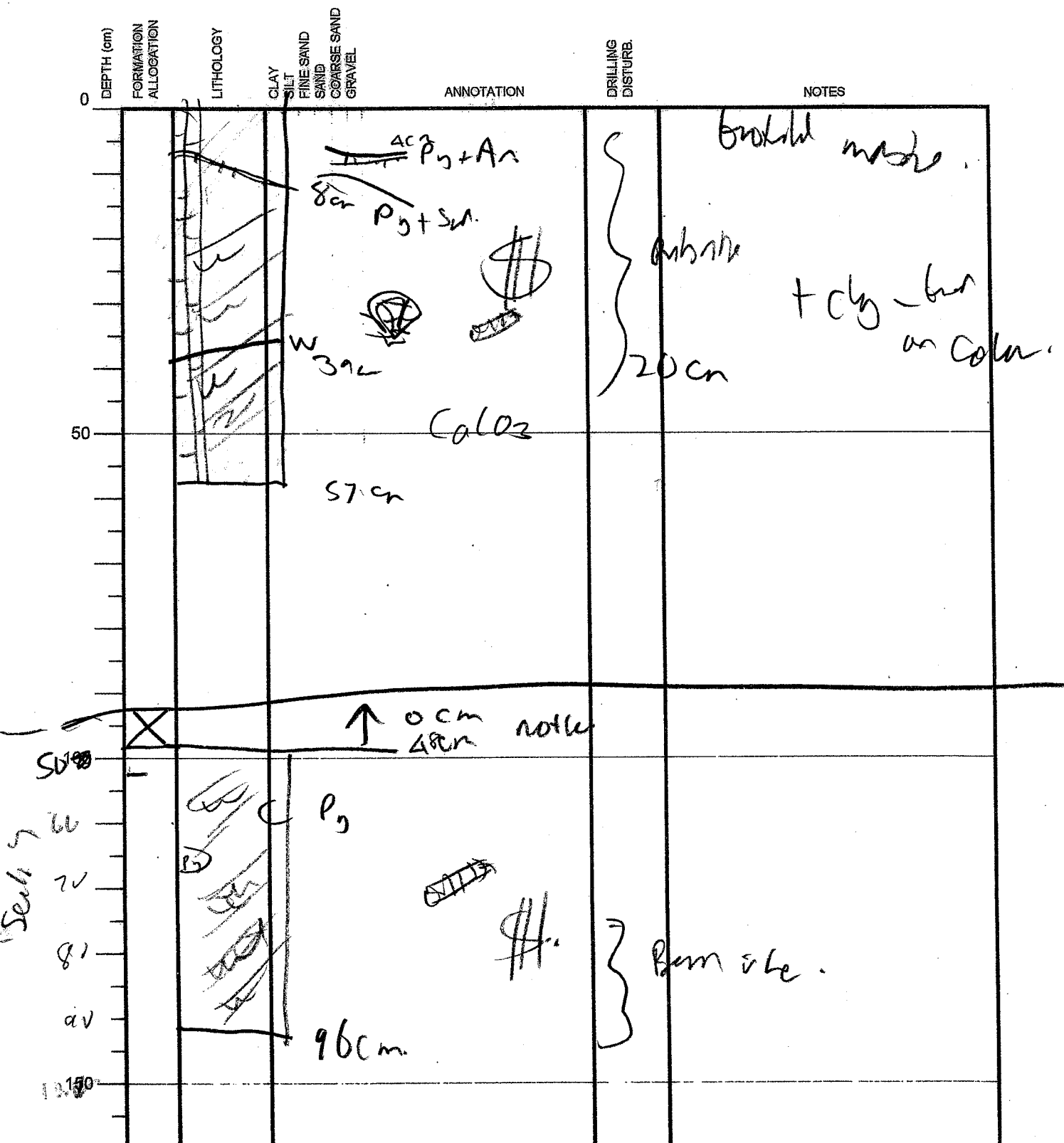
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 98R
SECTION: 6 + 7.
TOP DEPTH (m CSR):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES/NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

CORE: 48 R

OBSERVER:

EXPEDITION: 370

SECTION: 8

ENTERED INTO J-CORES (DATE): / / 2016

SITE/HOLE: C0023/

TOP DEPTH (m CSF):

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
						Probed not low mud very
50				Po vein P ₃ + Soil 3 Ben P ₃ detritus		
				red + Rh 69		
				Rh		
				P ₃ + Soil 70 cm		
100				Rh		
				107.5		
				NO CADS		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 98R

SECTION: 9

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0		B				broken
		B/B				
		B/B				
		B/B				
		B/B				
50		B/B		Rh		
		B/B		+ Ba		
		B/B		+ P ₀		
		B/B				
		B/B				
		B/B				
100		B/B				
		B/B				
		B/B				
		B/B				
		B/B				
150		B/B				

NO.

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

CC

NO.

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES / NO



NO.

CORE: 99R
SECTION: 3
TOP DEPTH (in GSF):

OBSERVER: JMB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRIILLING DISTURB.	NOTES
0						
50						
60						
70						
80						
90						
100						
110						
120						
130						
140						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: 00023/

CORE: 99R
SECTION: 4
TOP DEPTH (m.CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				Rh. + P _g		
0				ph + P _g		
10				Rh + P _g + Sp + Ba		Drumher
50				REDACTED Rh + P _g + Sp + P _g var		
100				REDACTED Rh + P _g dist chm in Cen silty		
141						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: 00023/

CORE: 9aR

SECTION: S

TOP DEPTH (mcs):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-COT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Pg was ms km red. ///		Broken not ms vh
100				Pg + Sil n B-1 114 ms		
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 992

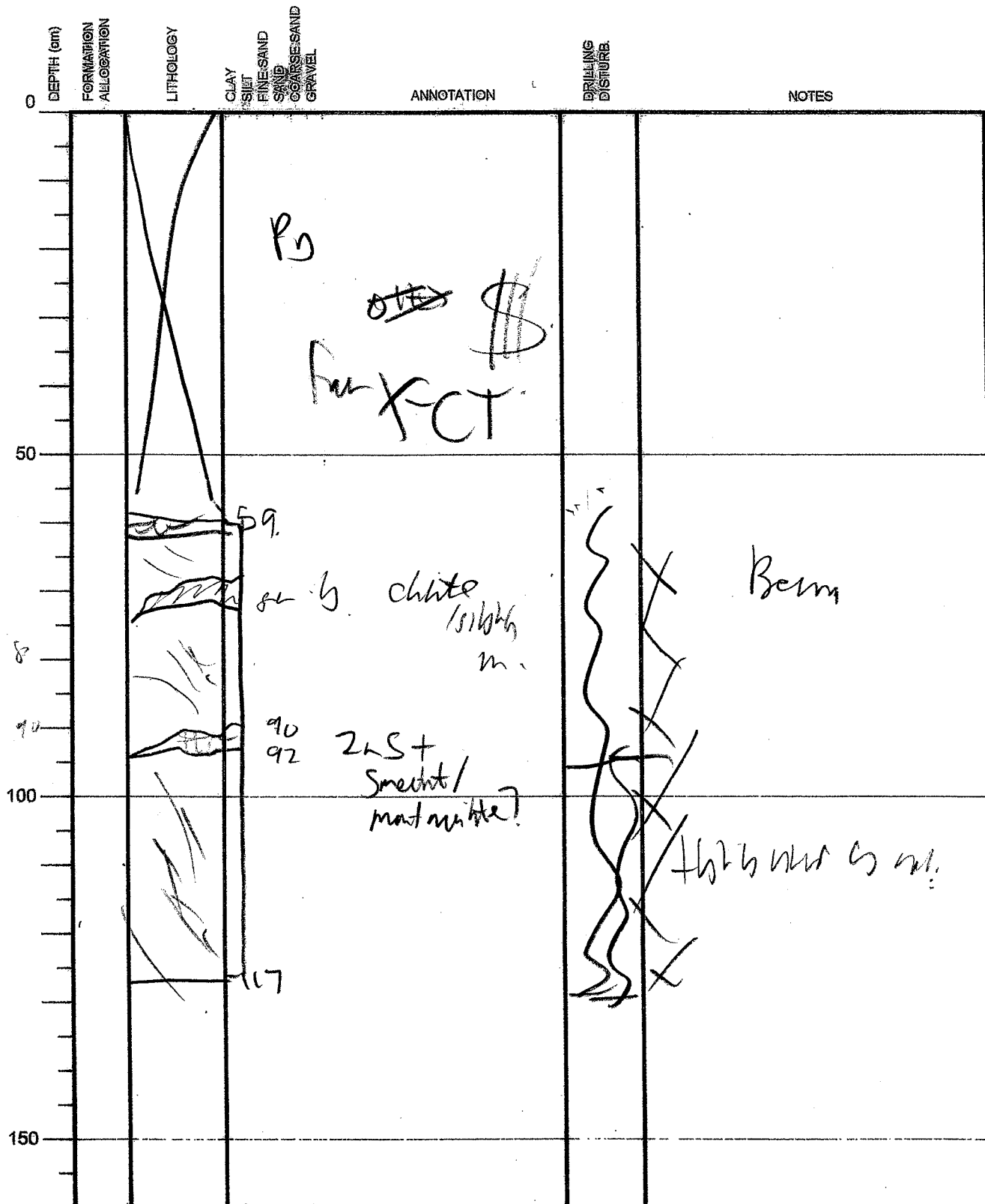
SECTION: 7

TOP DEPTH (mCSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES/NO



NO.

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES / NO

270-VON sheet 160021 vlow

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 99R

SECTION: CC

TOP DEPTH (m.csf):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DILLING DISTURB.	NOTES
0						
50				See It has green Burrows, VCD		
100				mlk stone it had burrows and was disturbed dms		dull grey green mlk she with some bioturbation See last core for more
150						

International Ocean Drilling Program Visual Core Description

NO.

DATE: 1/10/2016
EXPEDITION: 370
SITE/HOLE: 00023/

CORE: 100 R 3 we made it!
SECTION: 1
TOP DEPTH (m.c.s.f.): 1030.5

OBSERVER: MY
ENTERED INTO J-CORES (DATE): 1 / 2016
LOGGED FROM XCT: YES/NO

A

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DILLING DISTURB.	NOTES
0				\$\$\$		Mudrock
36cm				barrows on this piece have different orientations	28-32	disturbed
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/10/2016

CORE: 100R

OBSERVER: MY

EXPEDITION: 370

SECTION: 4

ENTERED INTO I-CORES (DATE): / / 2016

SITE/HOLE: 00023/ A

TOP DEPTH (m CSF):

LOGGED FROM XCT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0				\$\$\$		Mudrock
				9-10.5 yellowish brown (burrow), rich in carbonate		
				37-38%		
50						
60.5						
100						
124 cm						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/ A

CORE:

SECTION:

TOP DEPTH (m CSP):

8 100 R
5

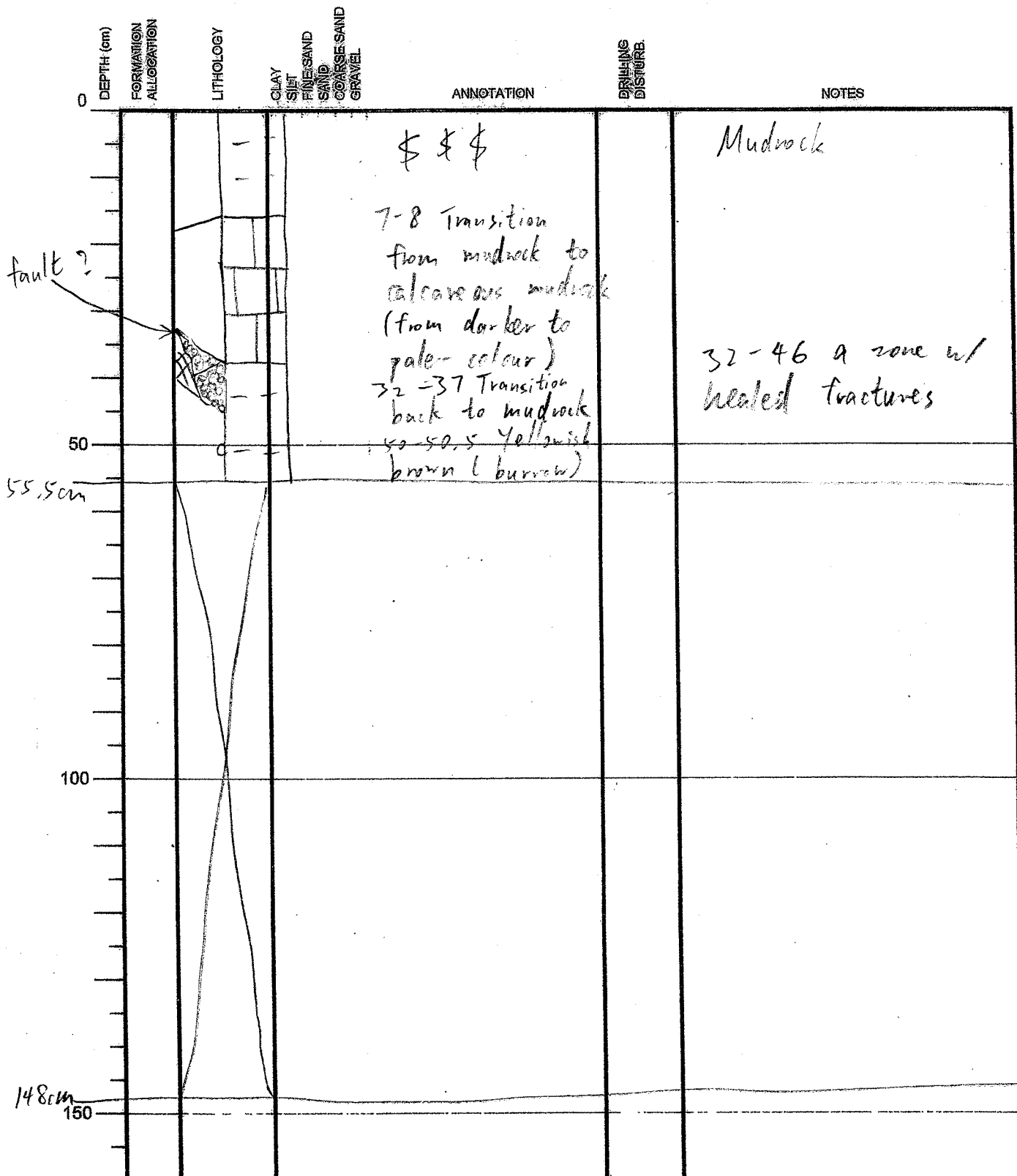
OBSERVER:

ENTERED INTO J-CORES (DATE):

LOGGED FROM X-CT: YES/NO

MY

/ / 2016



International Ocean Discovery Program Vide Core Description

NO.

DATE: 3/10/2016

EXPEDITION: 370

SITE/HOLE: C0023/

A

CORE:

100R

SECTION:

6

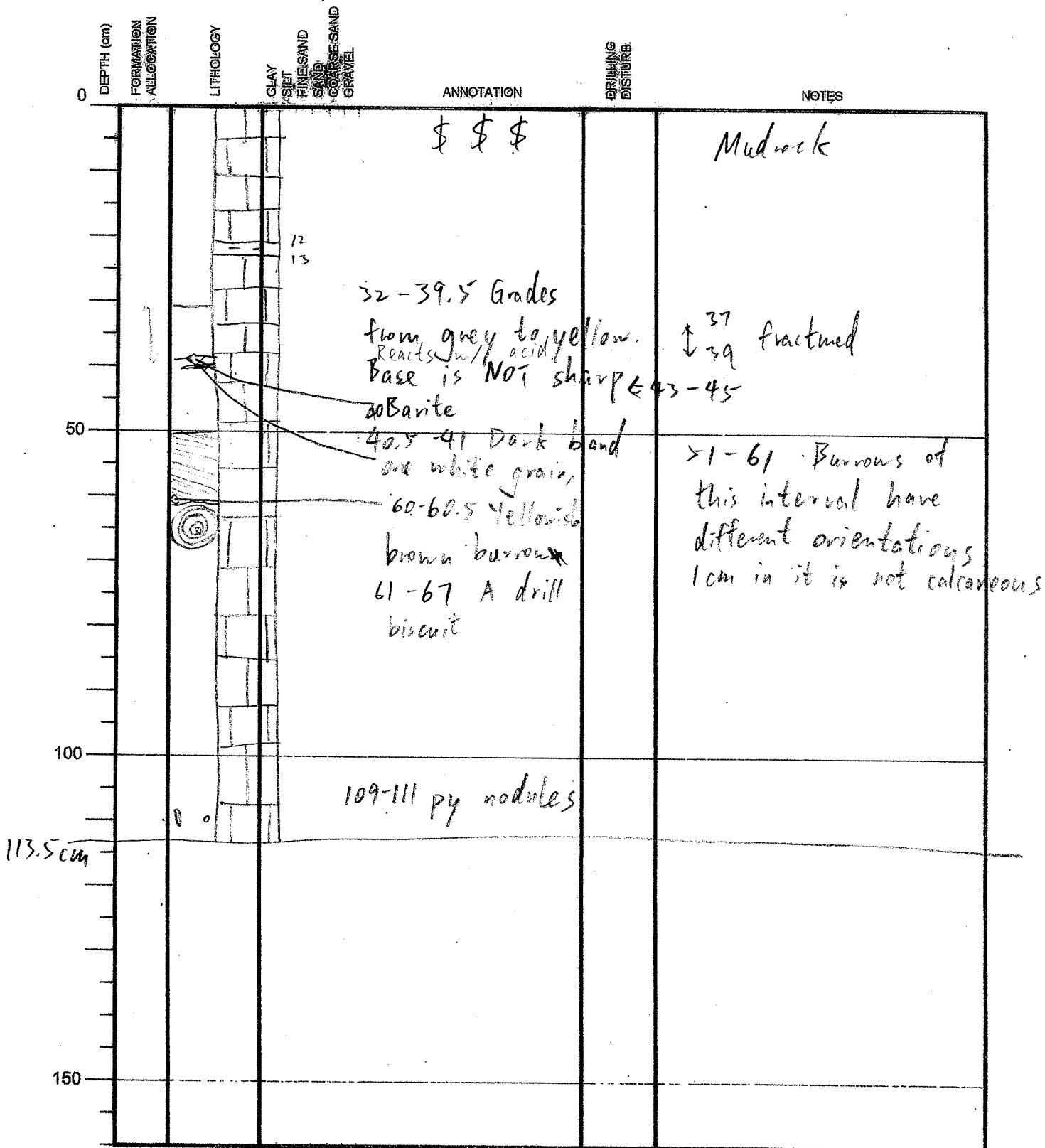
TOP DEPTH (m CSE):

OBSERVER:

MY

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM XCT: YES/NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: 3/10/2016

CORE: 100R

OBSERVER: MY

EXPEDITION: 370

SECTION: CC

ENTERED INTO J-CORES (DATE): 1 / 2016

SITE HOLE: C00231 A

TOP DEPTH (mcs):

LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DILLING DISTURB.	NOTES
0						
				\$\$\$		1-4 calcareous 4-30 Mudrock
> 20cm						
50						
100						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: 1 / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 100 101
SECTION: 1 + 9
TOP/DEPTH (mCSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): 1 / 2016
LOGGED FROM X-CT: YES/NO

i fill against

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRIILING DISTURB.	NOTES
0						
50				Post-cr ϕ Rh + Ca REK		Red part w/ R.
100				12. cm	Tube	
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: 0023/

CORE: 101
SECTION: 5
TOP DEPTH (m.CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Wt% Biot OEP \$		
100				alk bms CaCO ₃		
150				91 141		

International Coastal Drilling Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 101
SECTION: 7 R
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM XCT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Callos		
				CT CT		
50				CT CT		
				efud		
				cur		
				Pot Sea		
100				kur		
				103		
				Bruck		
				↓ ?		
				X CT		
150				147		

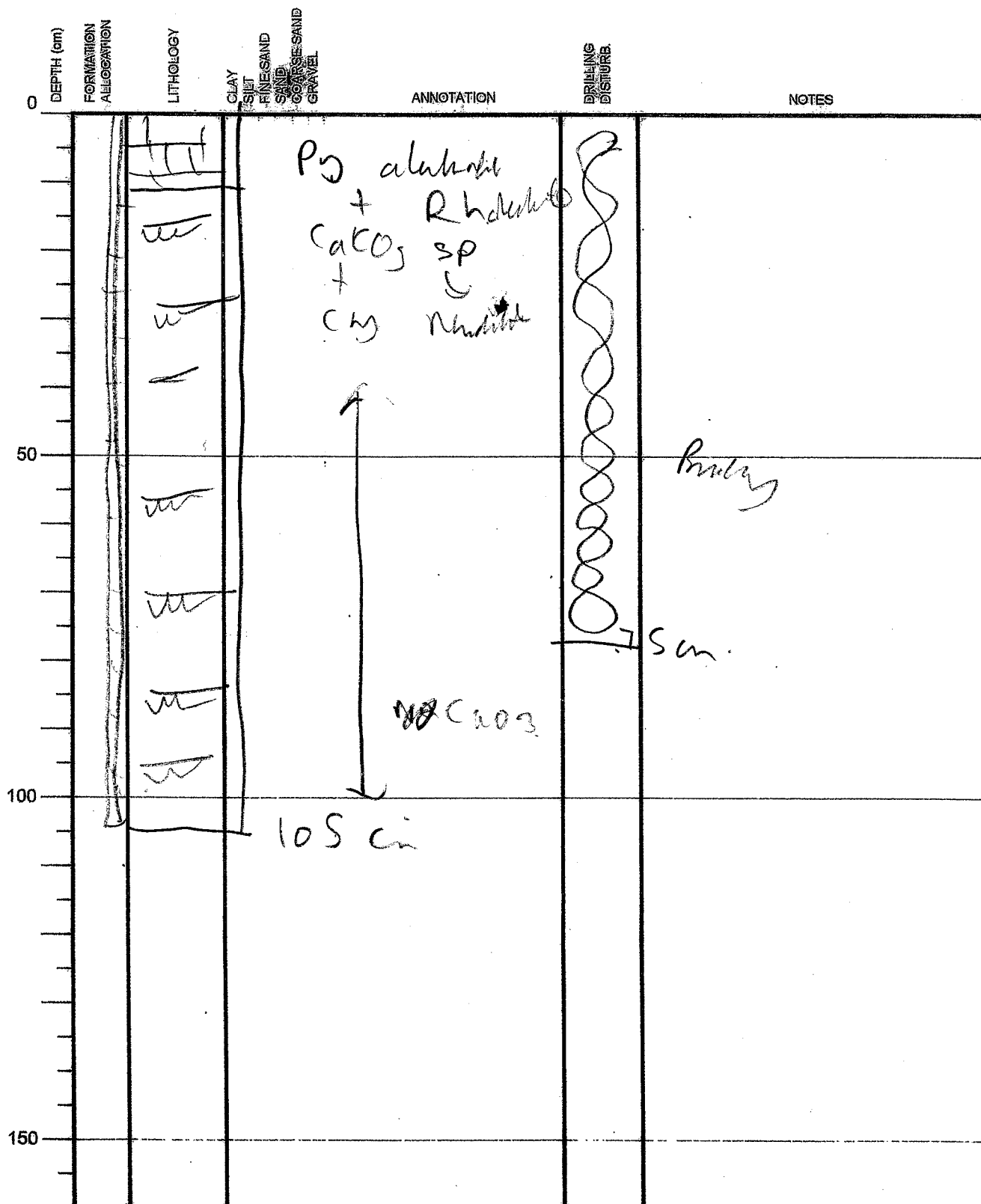
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 101R
SECTION: 8
TOP DEPTH (mcsf):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM XCT: YES/NO

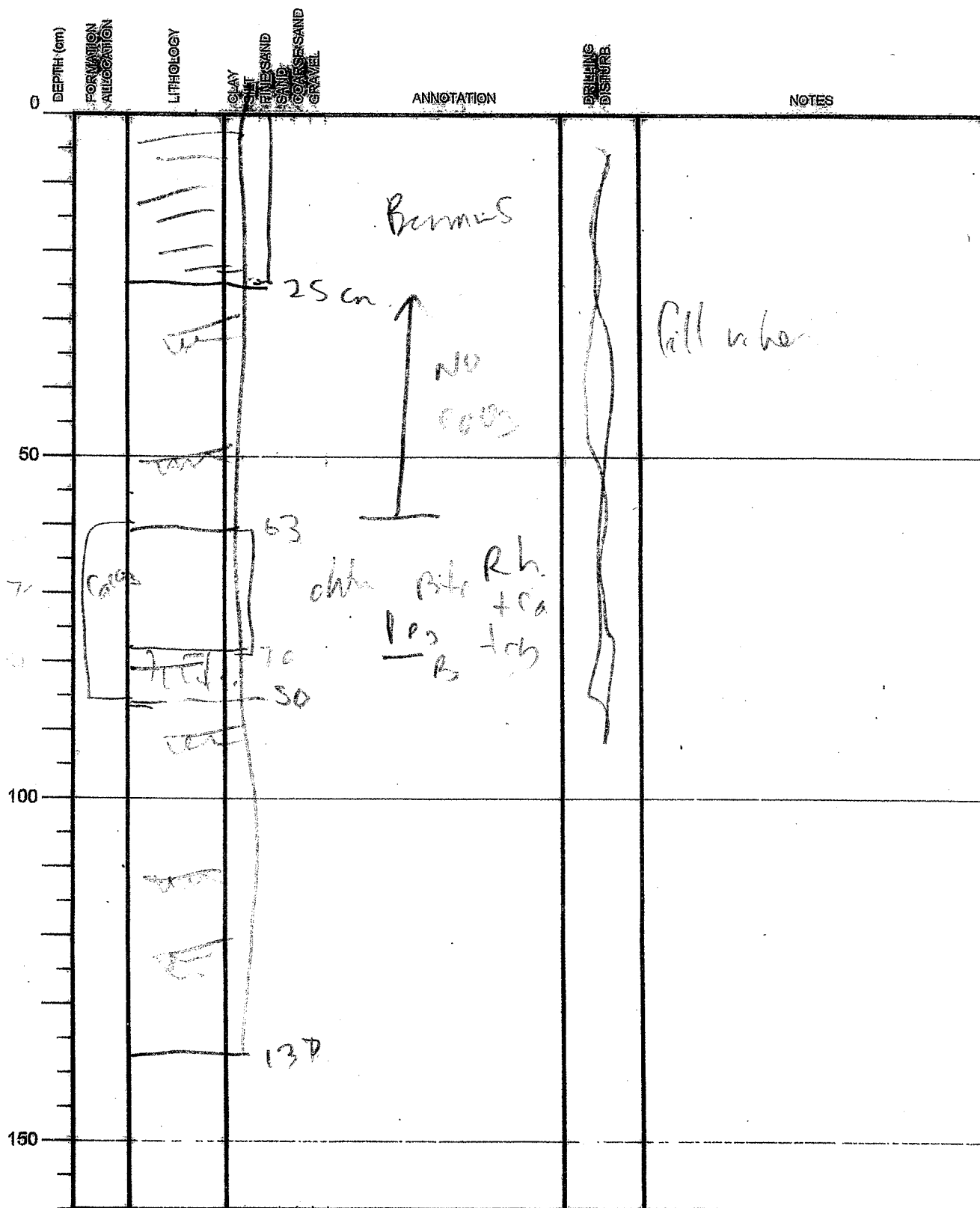


NO.

DATE: 1 / 2016
 EXPEDITION: 370
 SITE CODE: C0022/

CORE: 101R
 SECTION: 9
 TOP DEPTH (GCSF):

OBSERVER: SA
 ENTITLED INTO CORES (DATE): 1 / 2016
 LOSS OF FROM X-CUT YES/NO



C Core 101R water Disturbance

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 1012

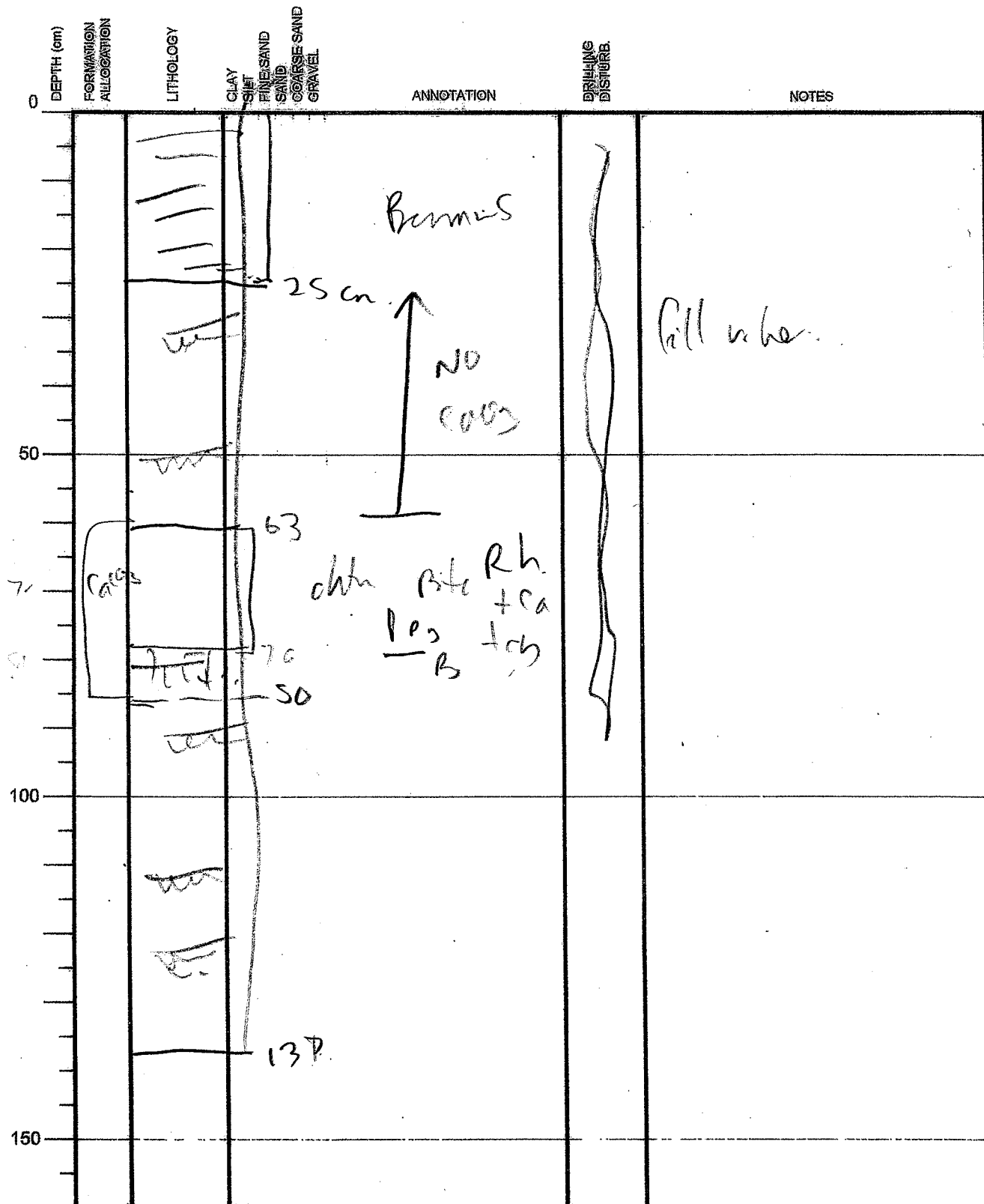
SECTION: 9

TOP DEPTH (m CSF):

OBSERVER: SK

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES/NO



CC water note description

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 102

SECTION: 4

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM XCT: YES/NO

Section 1-3 sent to J-Cores

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				XCT 0.5m \$		
				sh or clay		
				Phy. resist Rh		
				83 70 (outside of Bore)		
100						
150						

No VCD

filler Le
retain

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: 0023/

CORE: 102 R

SECTION:

TOP DEPTH (mcs):

OBSERVER:

ENTERED INTO I-CORES (DATE): / / 2016

LOGGED FROM X-COT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
10				P ₅ vent + fm.		Not from track
20				OK \$		
30				P ₅ P ₅ P _n burn - Schmn		
40				NO 103		
50						
60						
70						
80						
90						
100						
110				102		
120						
130						
140						
150						

93

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE:

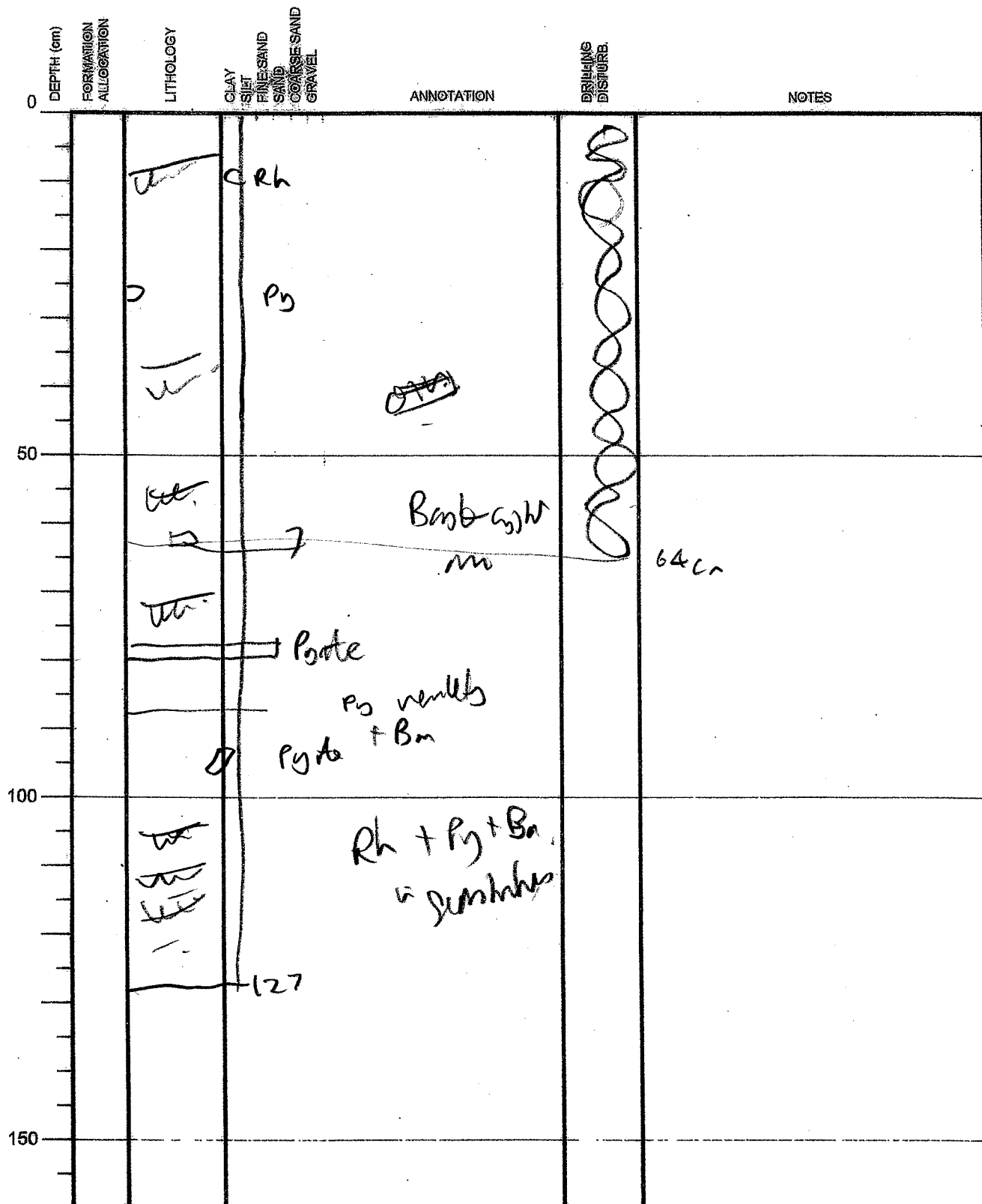
SECTION:

TOP DEPTH (m CSF):

OBSERVER:

ENTERED INTO J-CORES (DATE): / / 2016

LOGGED FROM X-CT: YES/NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: 00023/

CORE: 102R

SECTION: 8

TOP DEPTH (mcs):

OBSERVER:

ENTERED INTO I-CORES (DATE): / / 2016

LOGGED FROM LOG: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
20						
40						
60						
80						
100						
120						
140						
160						

Braker
ms2
mudstone
dry shales

OTL
Rh + Py
RP mud

72

NO.

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES/NO

270-VCH sheet 1A0021 vlsu

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: 00023/

CORE: 10B2
SECTION: 2
TOP DEPTH (mCSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM XCT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50				Rh + D_h Gp h ₁₀ no len	45 	
100						
150						

NO.

CORE 103R

OBSERVER:

SECTION: 3

ENTERED INTO J-CORES (DATE): / / 2016

TOP DEPTH (in CSF):

LOGGED FROM X-CT: YES/NO

NOTES

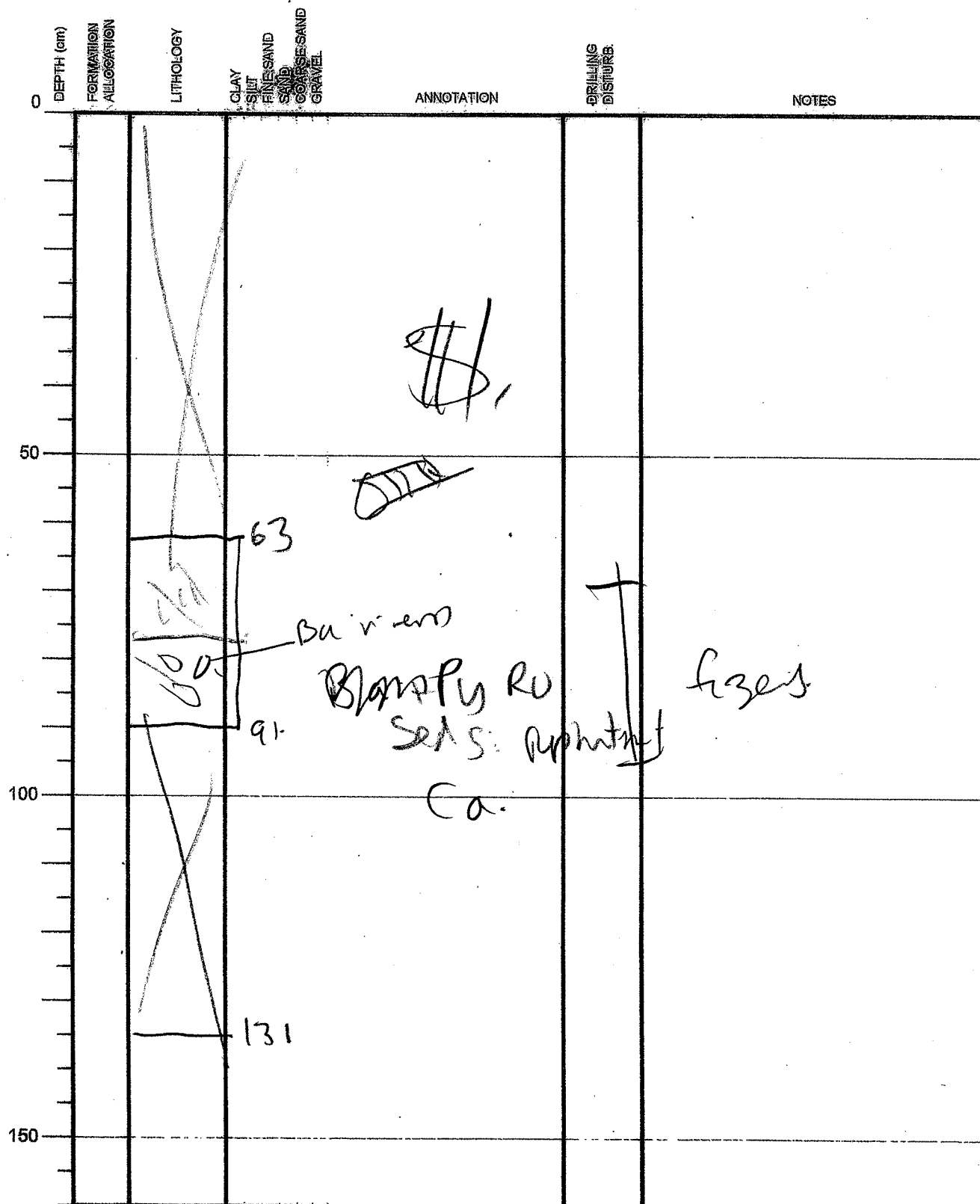
International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: 00023/

CORE: 103
SECTION: 4
TOP DEPTH (m CSF):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES/NO



NO.

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM XCT: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50		Pls		Ps		
100				Ps replant Ba replant		
142						
150						

International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0023/

CORE: 103 R
SECTION: 6
TOP DEPTH (mcs):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES/NO

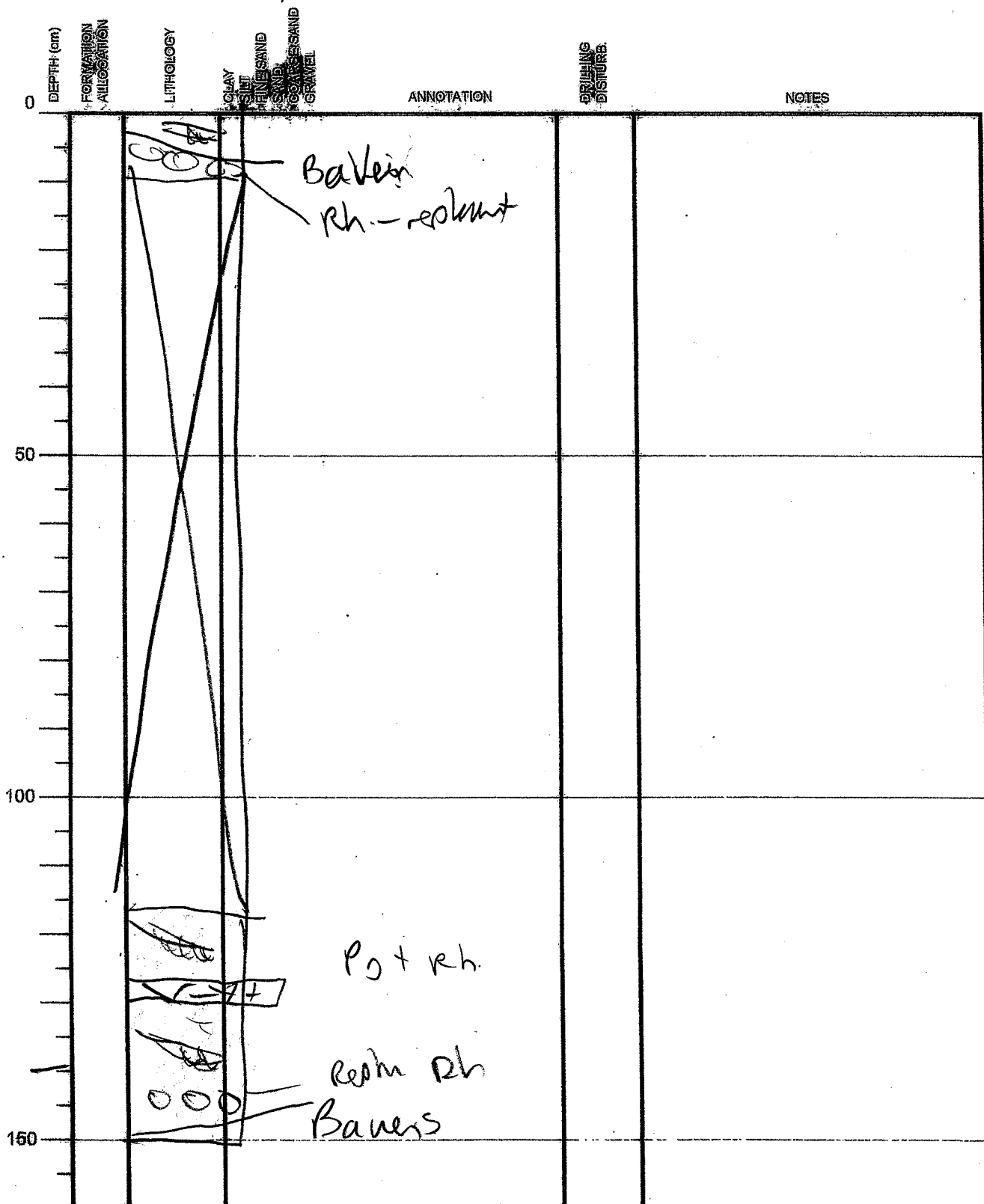
DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0		td		Rh + P _g (loc by m2)		
		td				
		td				
		td				
50		td		Rh + P _g by m2		
		td		Basal		
		td		\$1		
		td				
		td		Basal - chert x-ct		
100		td		103 R by m2 + P _g		
		td				
		td		136 - Brn		
		td		144w		
		td		Rh + P _g Var		
150		td				

NO.

DATE: / / 2016
 EDITION: 370
 SITE: ONE, C-022

CORE: 103R
 SECTION: 7
 TOP DEPTH (mGSF):

OR SHEET:
 ENTERED INTO LOGS (DATE): / / 2016
 LOGGED FROM: YES/NO

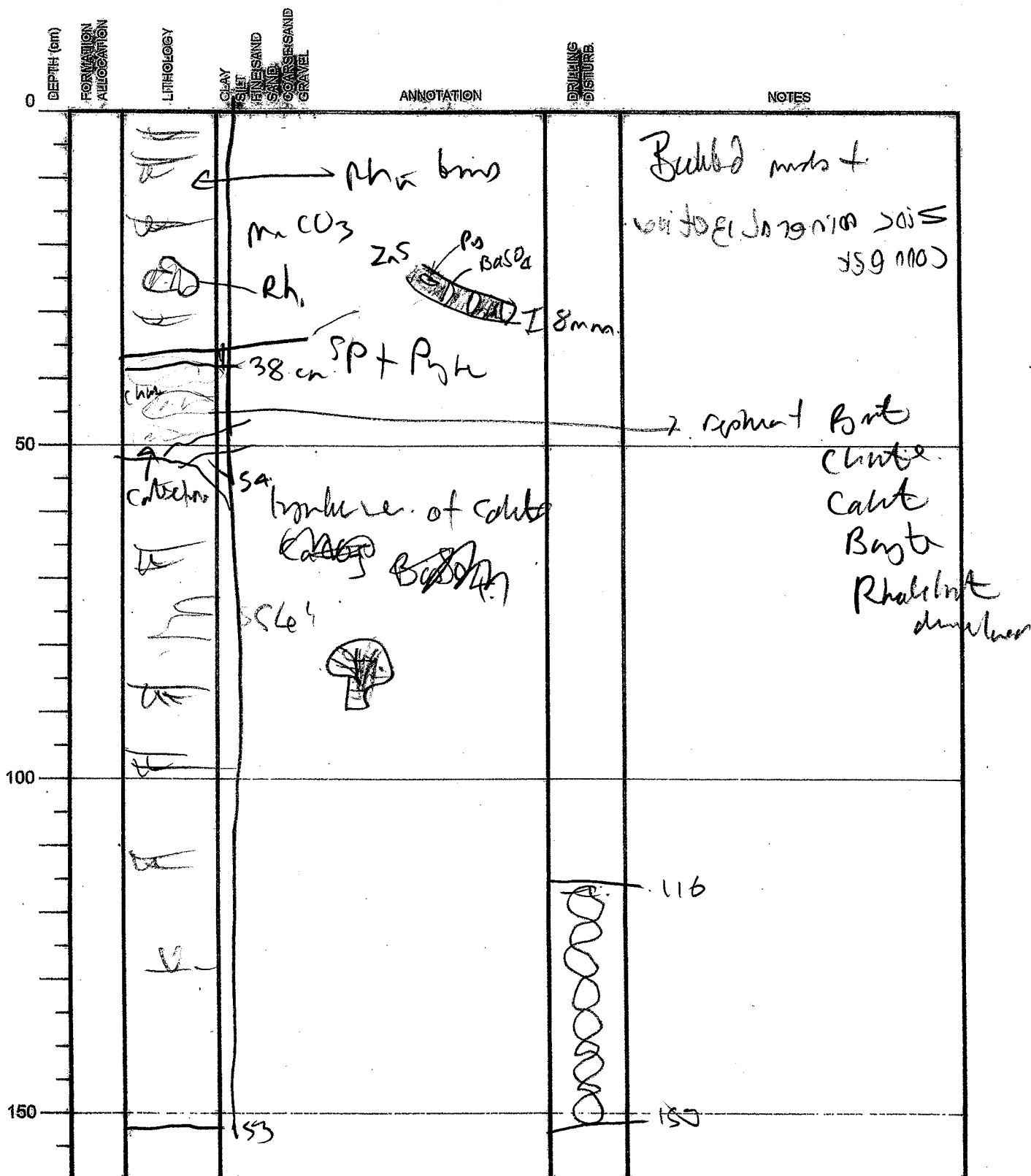


NO.

DATE: 1 / 2016
 EXPEDITION: 370
 SITE/CORE: 6032a

CORE: 103R
 SECTION: 8
 TOP DEPTH (MCS):

OBSERVER:
 DATE TIED INTO J-CORES (DATE): 1 / 2016
 LOGGED FROM J-CORE: YES/NO



No.

DATE: / / 2016
 EXPEDITION: 370
 SITE CODE: 000231

CORE: 103R
 SECTION: CC
 TOP DEPTH (mCSF):

DATE: / / 2016
 ENTERED INTO LOGS (DATE): / / 2016
 LOGGED FROM X-CLIP/NO

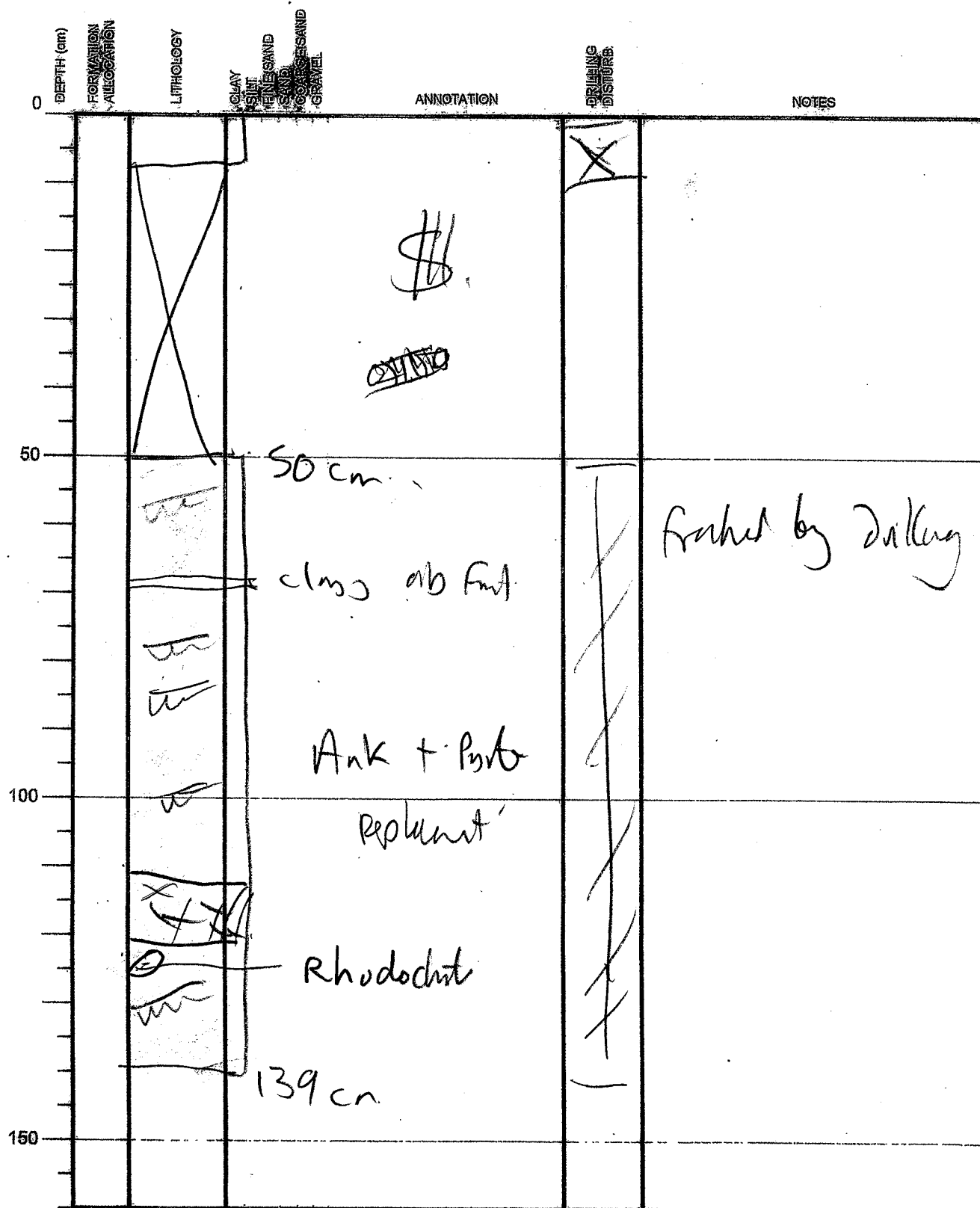
DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				Rh + Po		Biscuted.
			130			
50						
100						
150						

NO.

DATE: / / 2016
 EXPEDITION: 370
 SITE: 016-0023

CORE: 106R
 SECTION: 1
 TOP DEPTH (mCS):

CORE: 106R
 ENTERED INTO LOGS (DATE): / / 2016
 LOGGED FROM X OF YES/NO

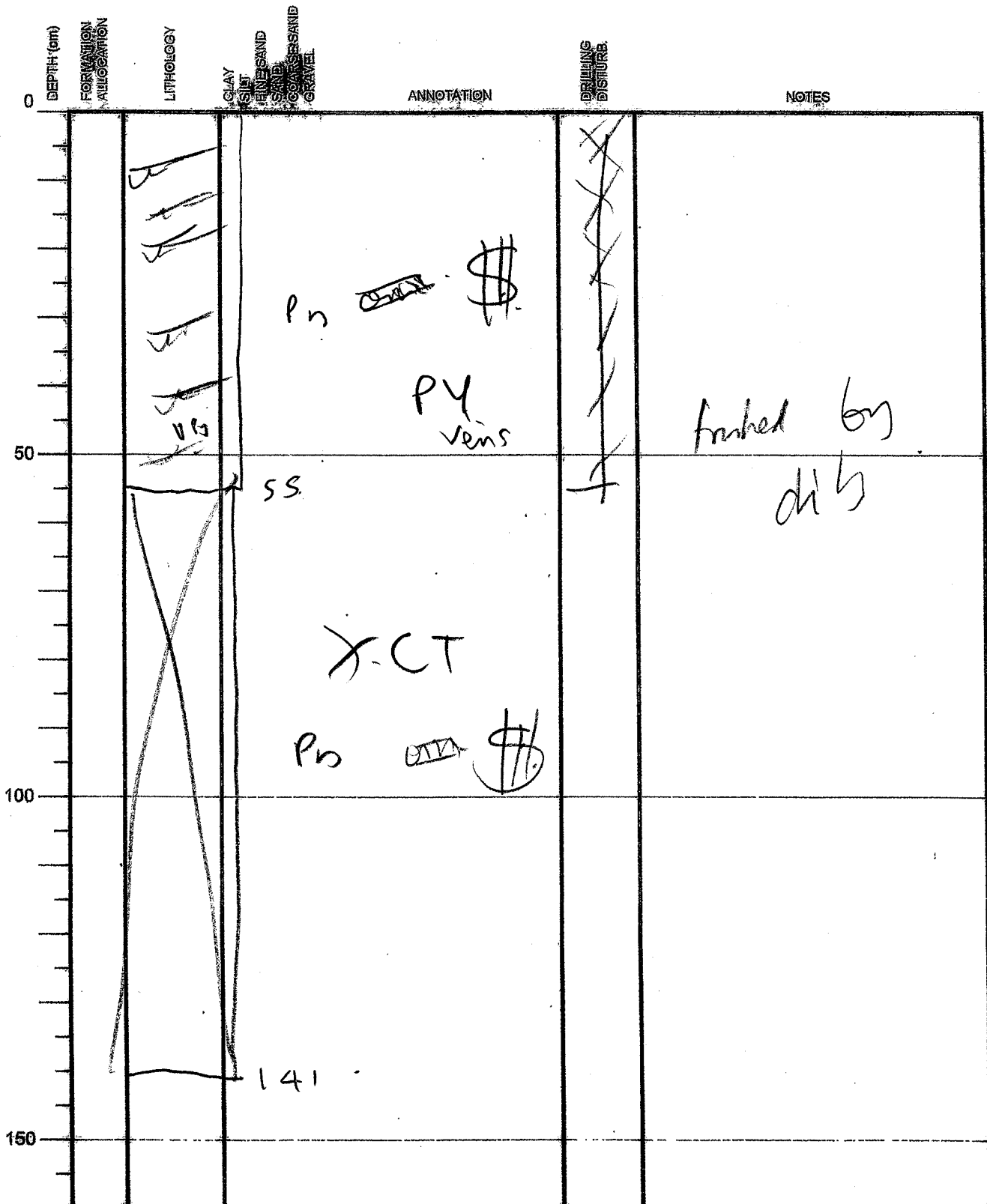


NO.

DATE: / / 2016
EXPEDITION: 370
SITE/OLE: 00023/

CORE: 106R
SECTION: 2
TOP DEPTH (MGS):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM J-CORES (YES/NO)

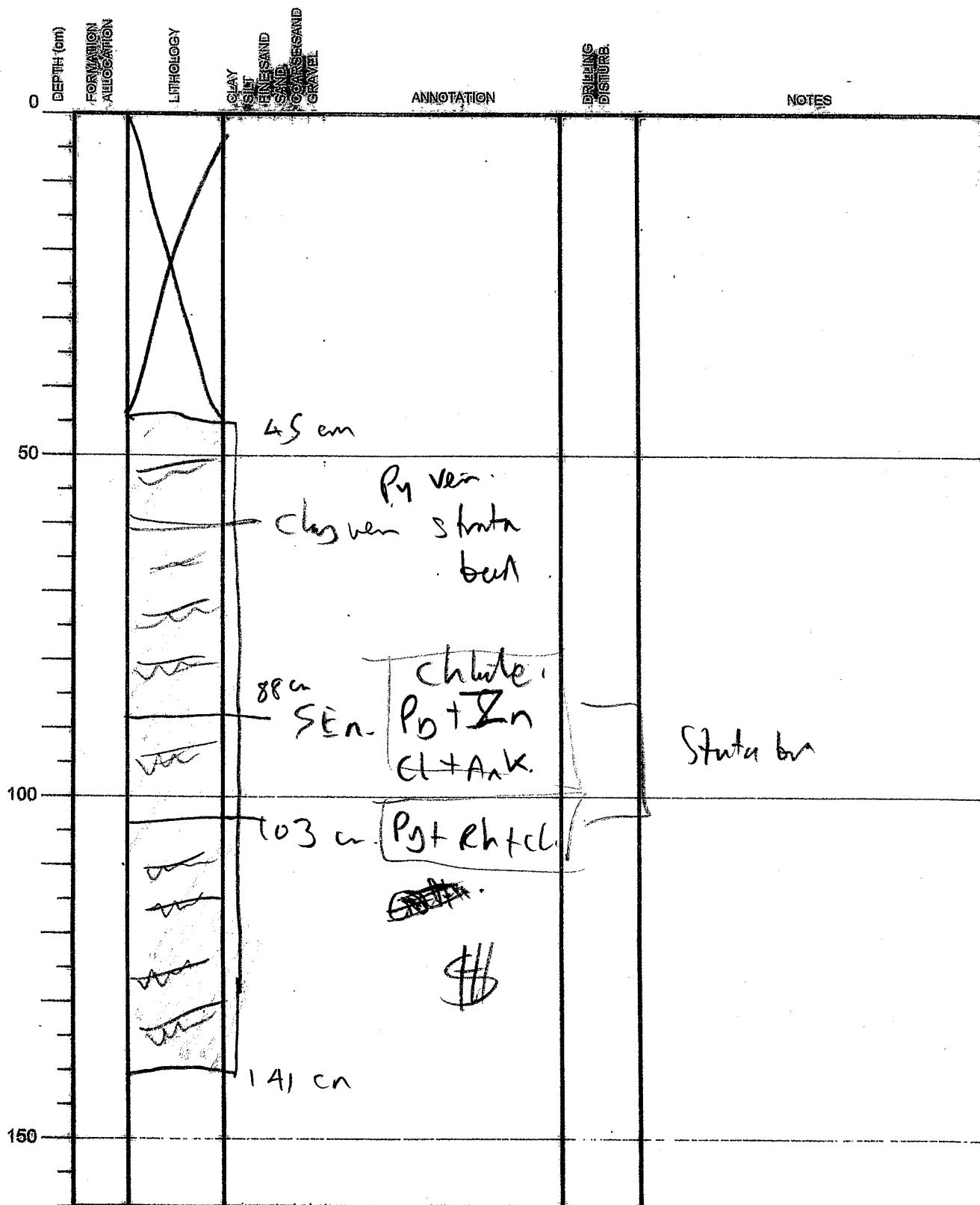


NO.

DATE: / / 2016
 EXPEDITION: 979
 SITE/HOLE: 000201

CORE: 106R
 SECTION: 3
 TOP DEPTH (m.c.s.):

OBSERVER:
 ENTERED INTO J-CORES (DATE): / / 2016
 LOGGED FROM J-CORE YES/NO



NO.

DATE: / / 2016
 EDITION: 370
 SITE: HOLE: C0328/

CORE: 106R
 SECTION: CC,
 TOP DEPTH (MOSF):

OBSERVER:
 ENTERED INTO LOGS (DATE): / / 2016
 LOGGED FROM: CT, YES/NO

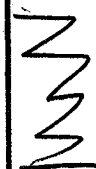
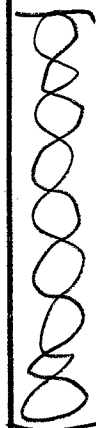
DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				+Chy	X	+ Sands etc
				Rh+P ₂	X	chy ulcer
				+chy Pvens	X	no f133
				OTI	X	
				##	X	
46						
50						
100						
150						

NO.

DATE: / / 2016
EXPECTION: 370
SITE CODE: 60228/

CORE: 107R
SECTION: 1, 2, 3
TOP DEPTH (MGS):

OBSERVER:
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM J-CORE YES/NO

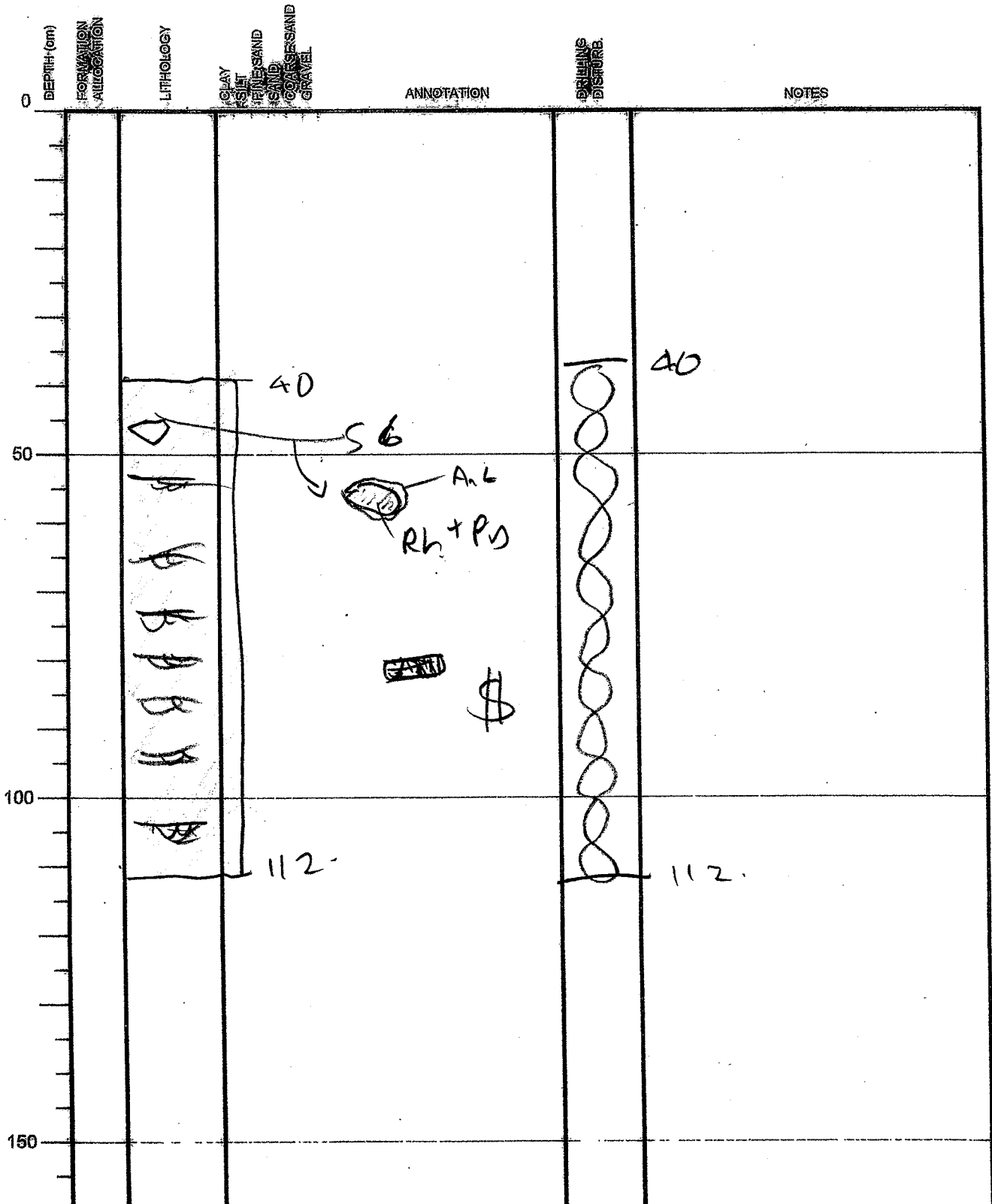
DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB	NOTES
16.0		B15		 P ₂  \$		Brnld. AA
102		B15		Chy or brns		77 anhydrous 116
32		B1B		 \$		32 cm,
2		B1B		\$		109.
10		B1B		 \$		
3		B1B		P ₂ \$		
		B1B		806		

NO.

DATE: / / 2016
 EX-101: 370
 SITE: 001231

CORE: 1072
 SECTION: S
 TOP DEPTH (m):

DATE: / / 2016
 EX-101: 370
 SITE: 001231



NO.

DATE: 1 / 2016
 EXPEDITION: 070
 SITE: 015-0024

CORE: 107R
 SECTION: CC
 TOP DEPTH (MCS):

OBSERVER:
 ENTERED INTO LOGS (DATE): 1 / 2016
 LOGGED FROM MIX OF L/S/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
				volcanic SH RI.		
				65% phynole + feldspar + bitumens chrt volcanic SST br.		ashed & det. rough vln.
50						
100						
150						

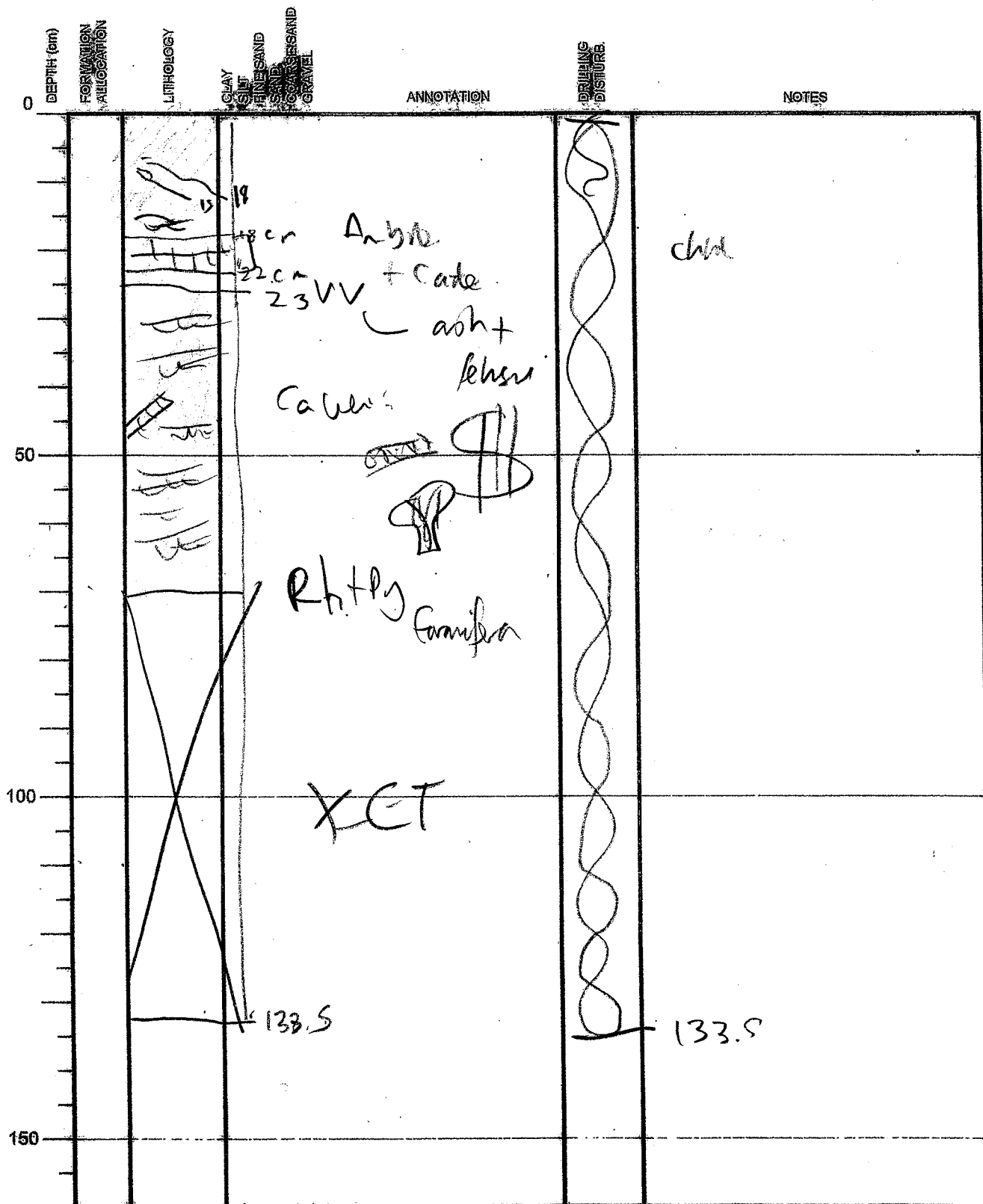
NO.

6000

DATE: 1 / 2016
EXPEDITION: 370
SITE CODE: C0323

CORE: 108 R
SECTION: 1
TOP DEPTH (MCS):

OBSERVER:
ENTERED INTO J-CORES (DATE): 1 / 2016
LOGGED FROM X-CORYES/NO

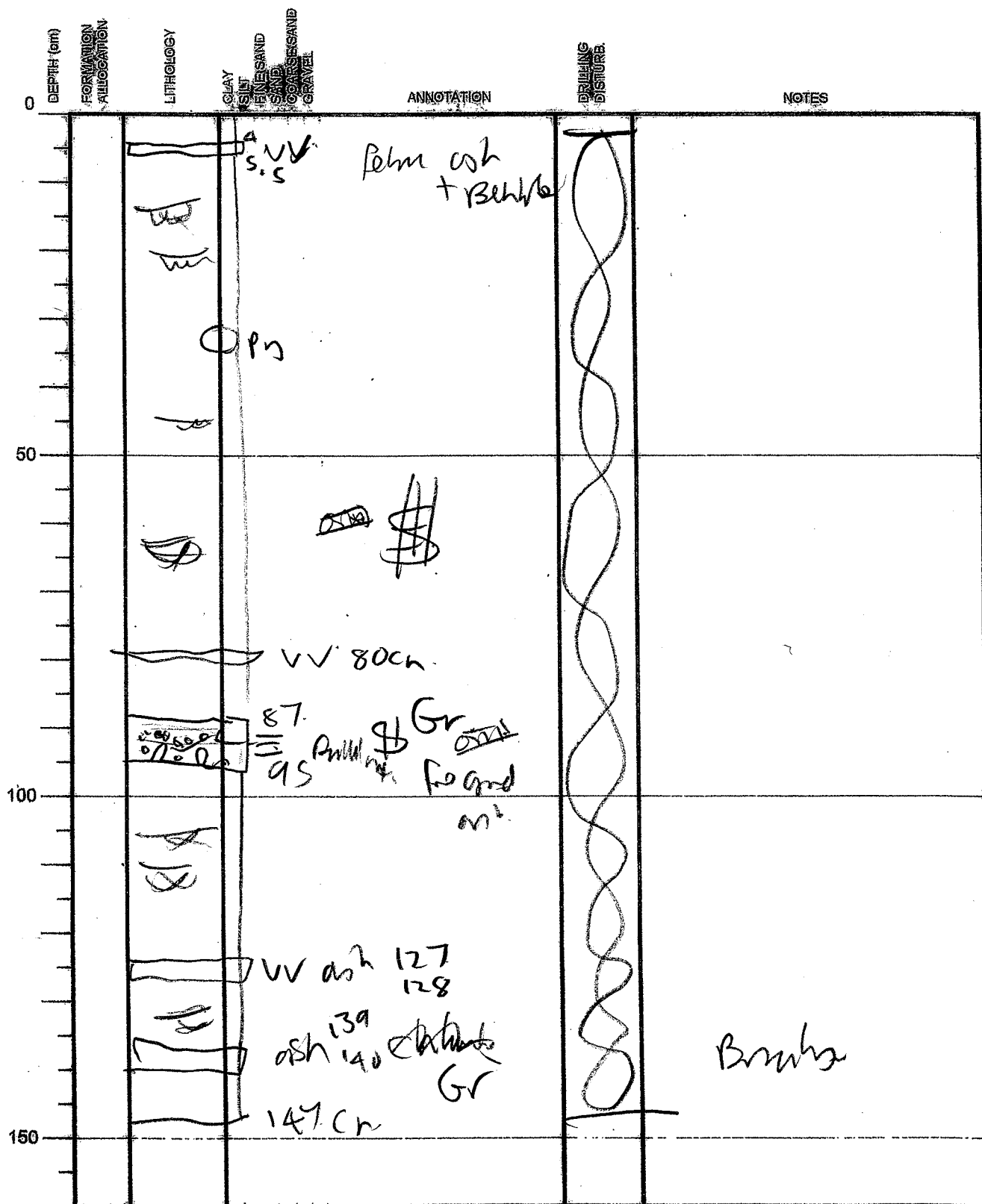


NO.

DATE: / / 2016
 EXPEDITION: 370
 SITE NAME: 00023/

CORE: 108R
 SECTION: 3
 TOP DEPTH (MCSF):

OBSERVER:
 ENTERED INTO J-CORES (DATE): / / 2016
 LOGGED FROM XCOR YES/NO



WATER OILS

ENTERED INTO JCORES (DATE): / / 2016
LOGGED FROM JCCT: YES/NO

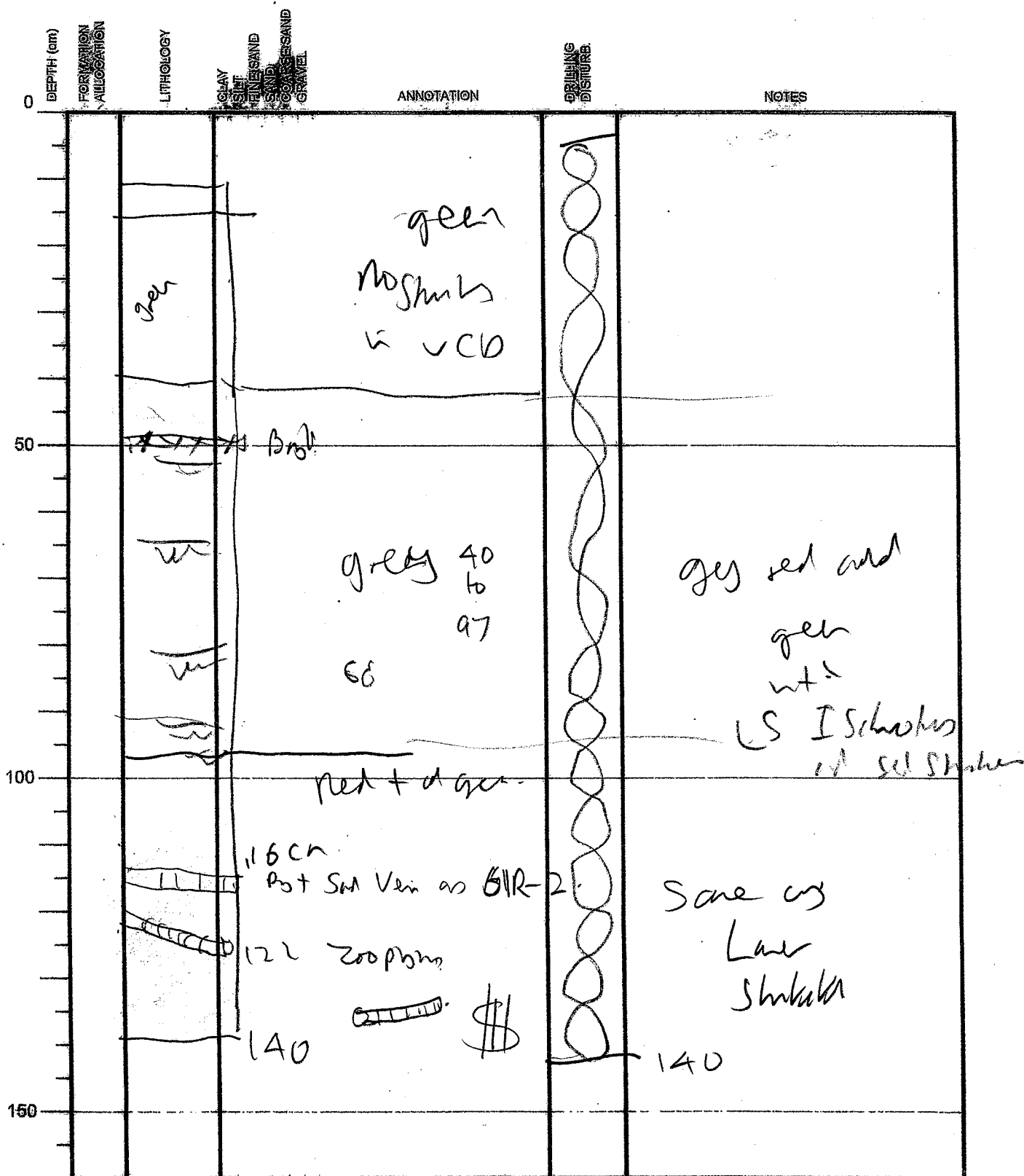
DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
22				+ chert + Balba		
24				Pg + Ra + Zn. V ₂ O ₅ Wash by		
				An t.		
				41 cr		
50						
100						
150						

NO.

DATE: / / 2016
EXEDITION: 370
SITE HOLE: 6023/

CORE: 109 R
SECTION: 1
TOP DEPTH (MGS):

OBSERVER:
ENTR. P. INFO. CORES (DATE): / / 2016
LOGGED FROM: YES/NO

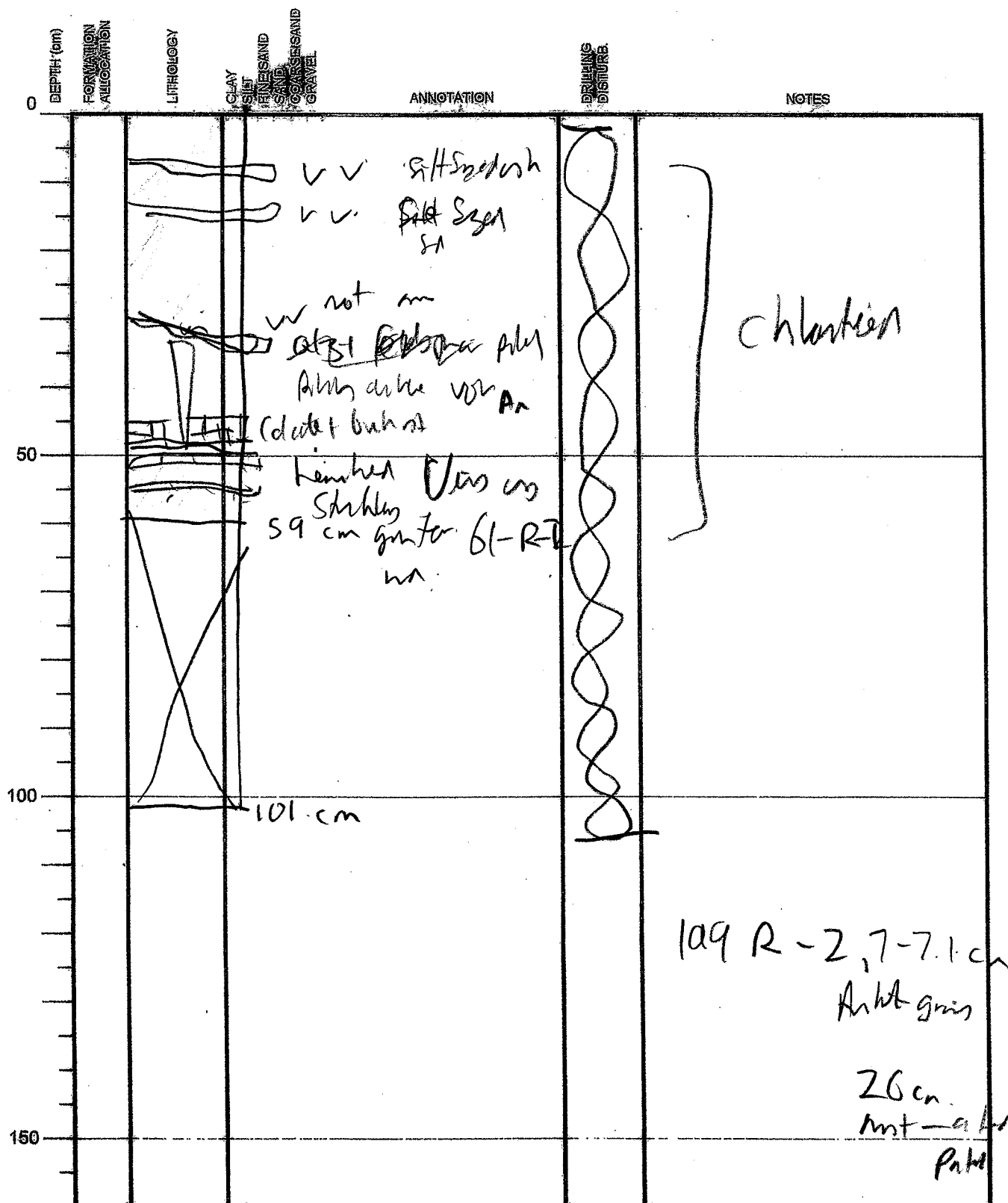


NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: 0023/

CORE: 109R
SECTION: 2
TOP DEPTH (MCS):

DESPITE:
ENTERED INTO LOGS (DATE): / / 2016
LOGGED FROM MIXOT: YES/NO

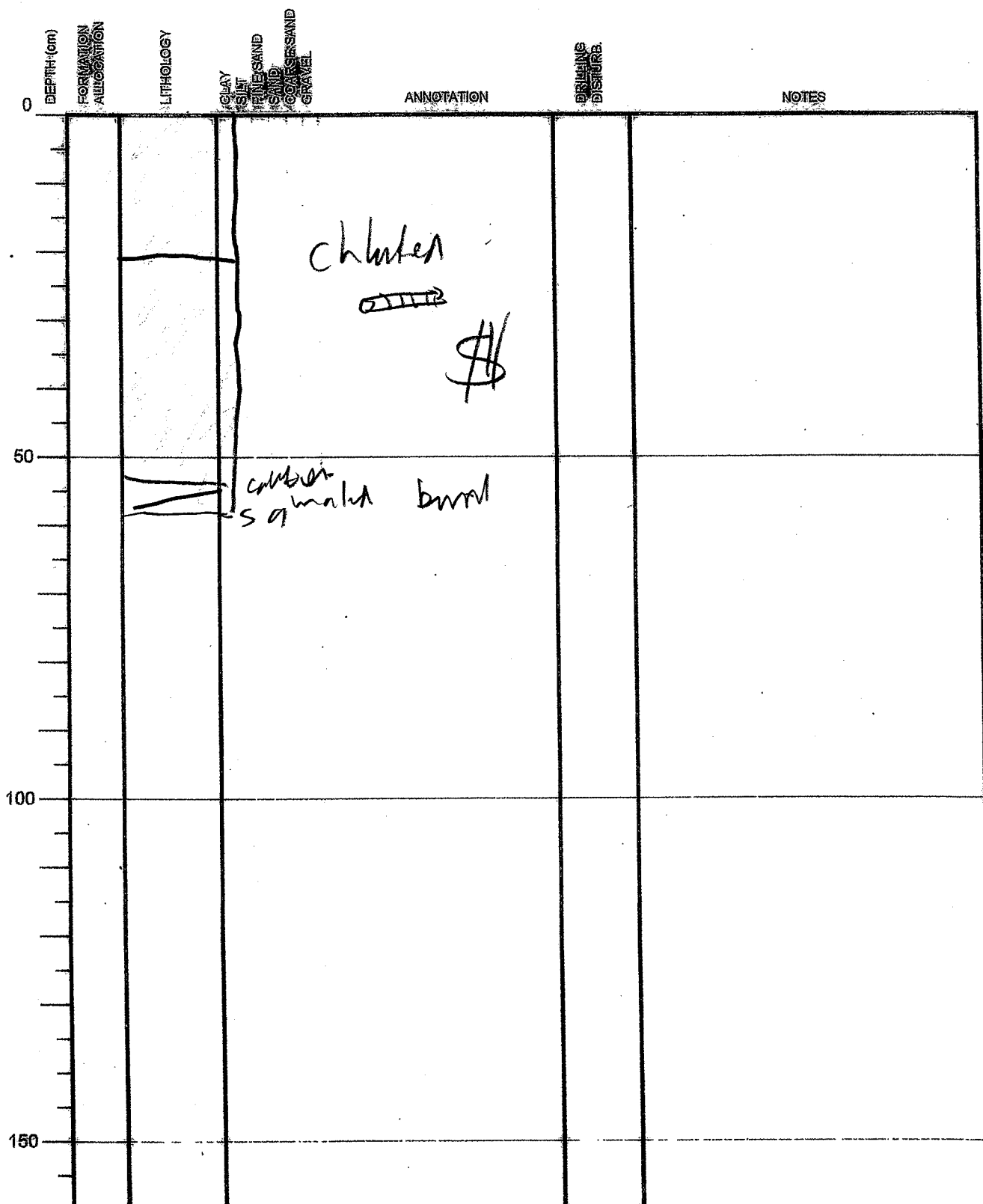


NO.

DATE: / / 2016
 EXPEDITION: 370
 SITE CODE: C00231

CORE: 109R
 SECTION: CC
 TOP DEPTH (DCS):

CORRECTION:
 ENTERED INTO LOGS (DATE): / / 2016
 LOGGED FROM X OF YES/NO

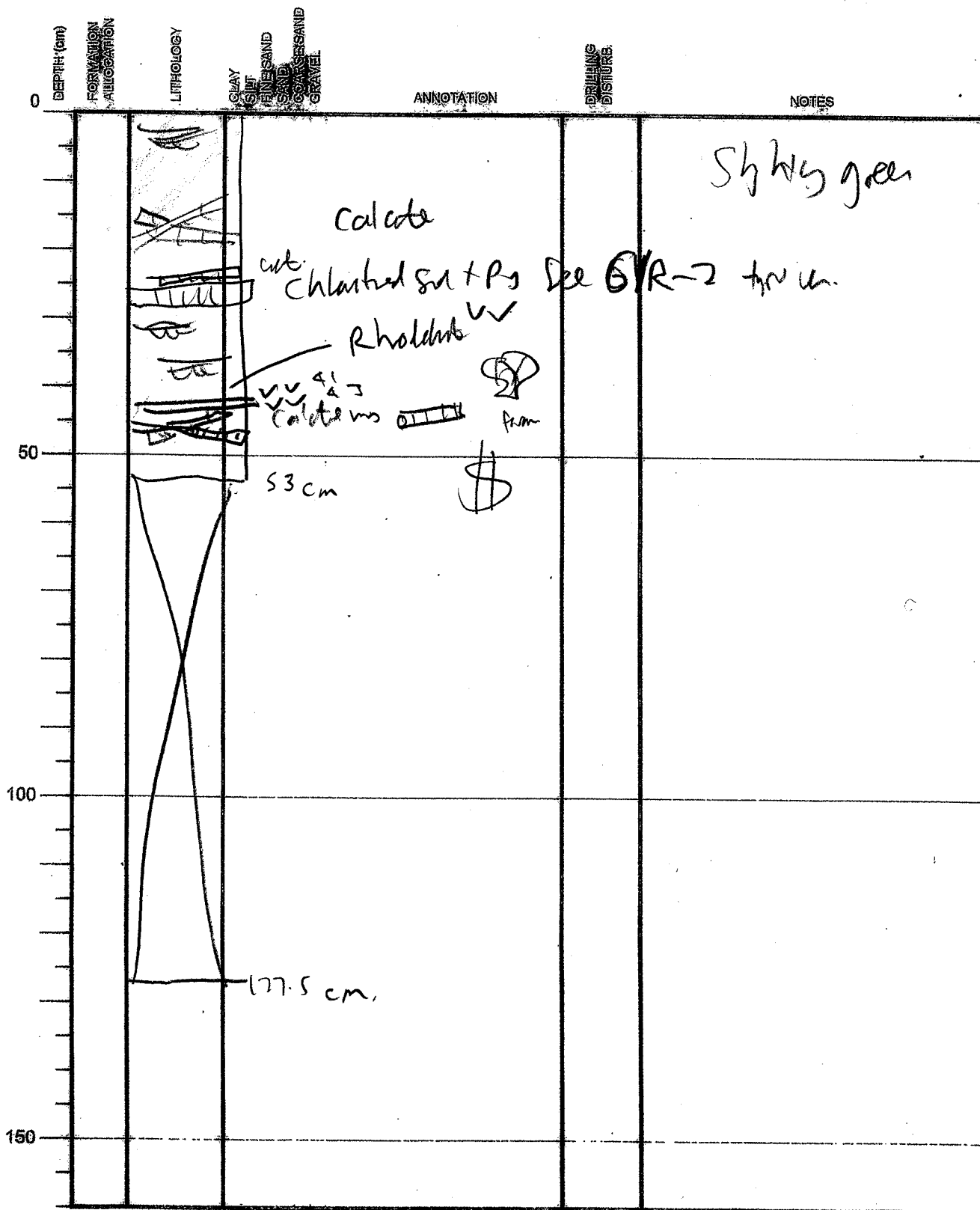


NO.

DATE: 1 / 2016
EXPEDITION: 370
SITE: CORE 60023/

CORE: 110 R
SECTION: 1
TOP DEPTH (MCS):

OBSERVER:
ENTER THE INFO. CORES (DATE): 1 / 2016
LOGGED BY: JACQUES/NO



International Ocean Discovery Program Visual Core Description

NO.

DATE: / / 2016

EXPEDITION: 370

SITE/HOLE: C0023/

CORE: 110 R3

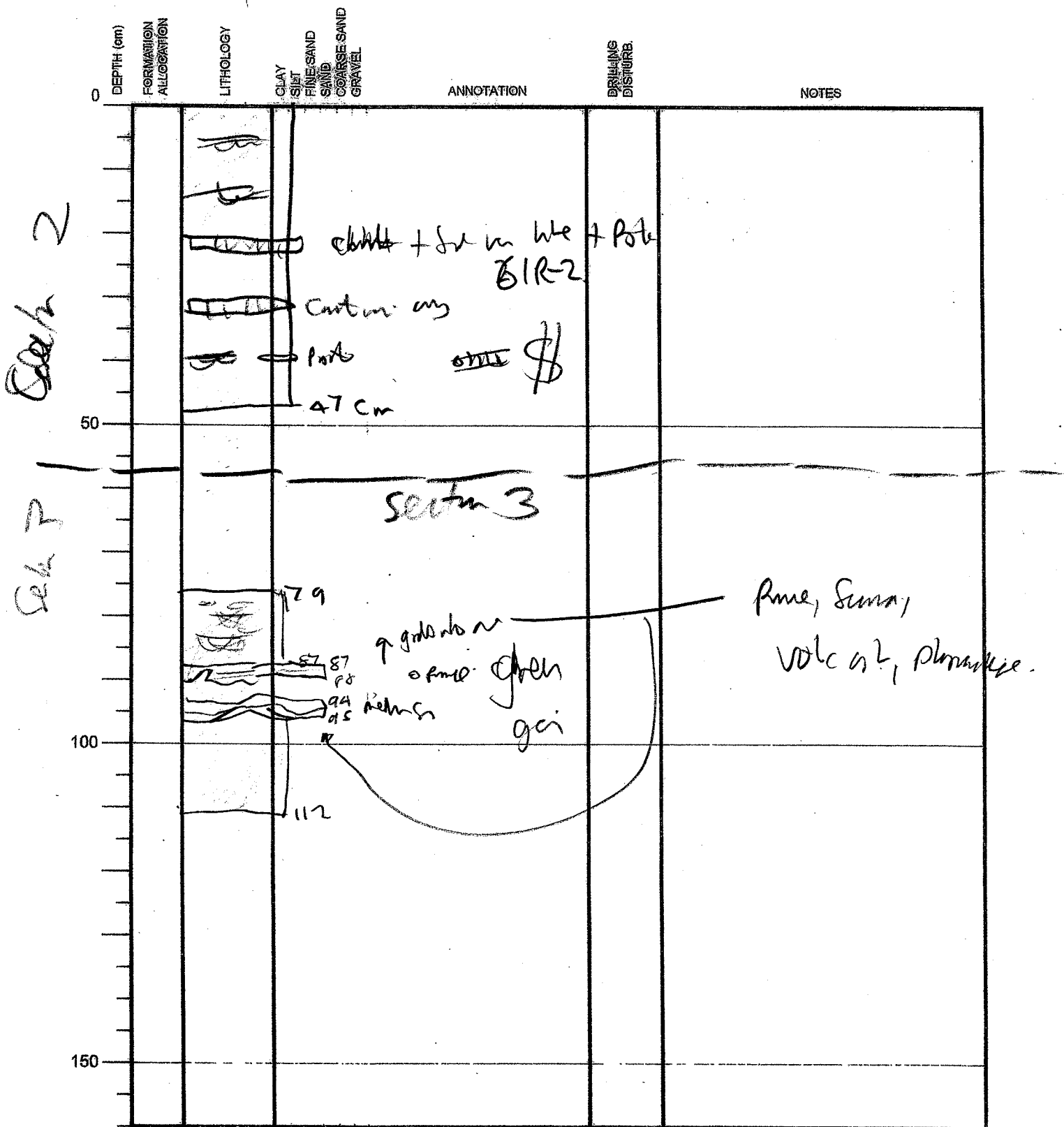
SECTION: 2 + 3

TOP DEPTH (m GSF):

OBSERVER:

ENTERED INTO J-GORES (DATE): / / 2016

LOGGED FROM X-CT: YES/NO



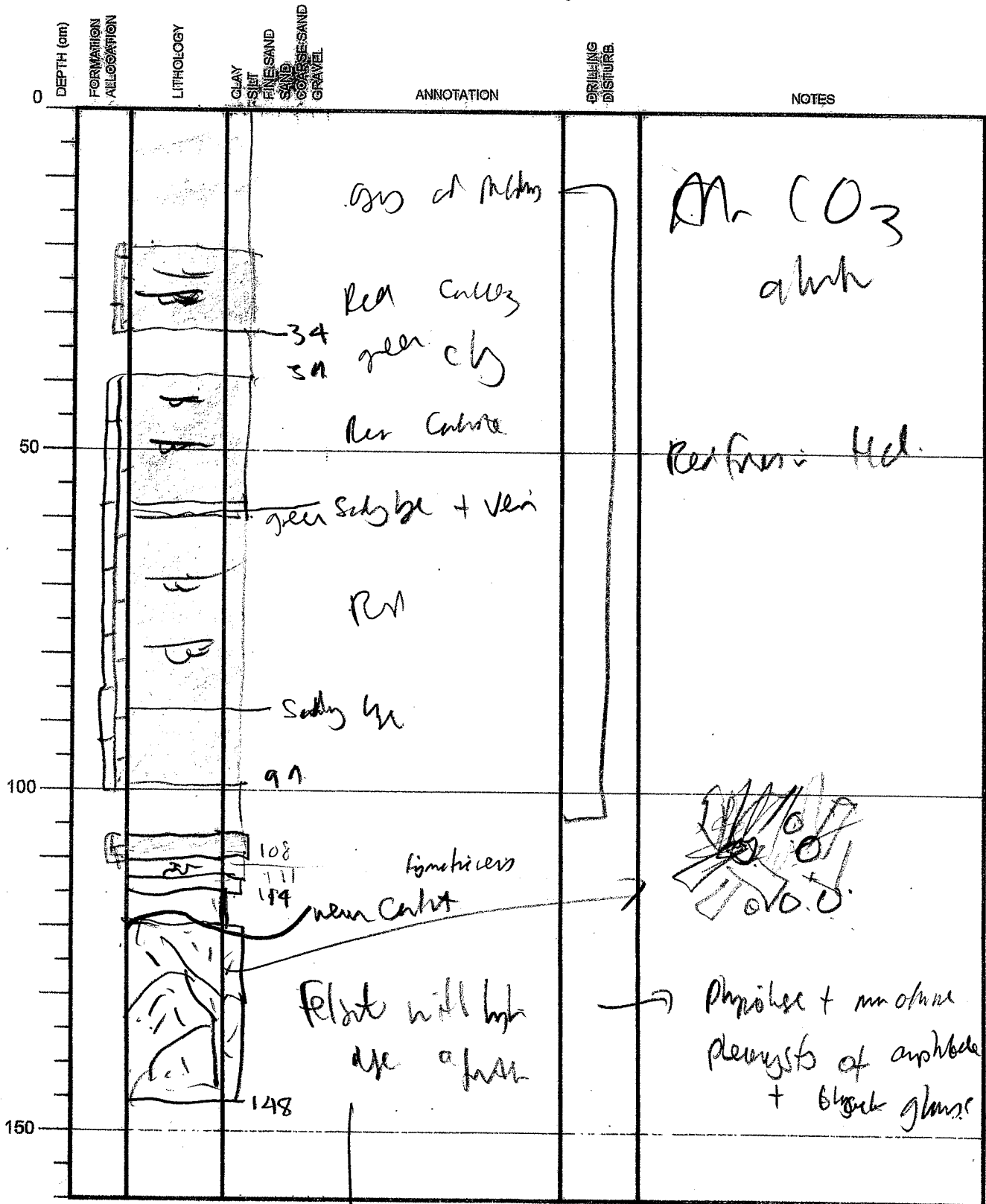
International Ocean Discovery Program
Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: C0029/

CORE: 110R
SECTION: 4
TOP DEPTH (m.csf):

OBSERVER: SAB
ENTERED INTO J-CORES (DATE): / / 2016
LOGGED FROM X-CT: YES/NO



CC not good. → Slick R. Ashm

International Ocean Drilling Program Visual Core Description

NO.

DATE: / / 2016
EXPEDITION: 370
SITE/HOLE: 00023/

CORE: 110R
SECTION: 22
TOP DEPTH (mcs):

OBSERVER:
ENTERED INTO LOGS (DATE): / / 2016
LOGGED FROM XCOR: YES/NO

DEPTH (cm)	FORMATION ALLOCATION	LITHOLOGY	CLAY SILT FINE SAND SAND COARSE SAND GRAVEL	ANNOTATION	DRILLING DISTURB.	NOTES
0						
50						Beam of Rmt with casts at a 45° bht Yellow clay Rm altered Amphibole
100						get mass of phos + Bubbles in between of phos phos
150						