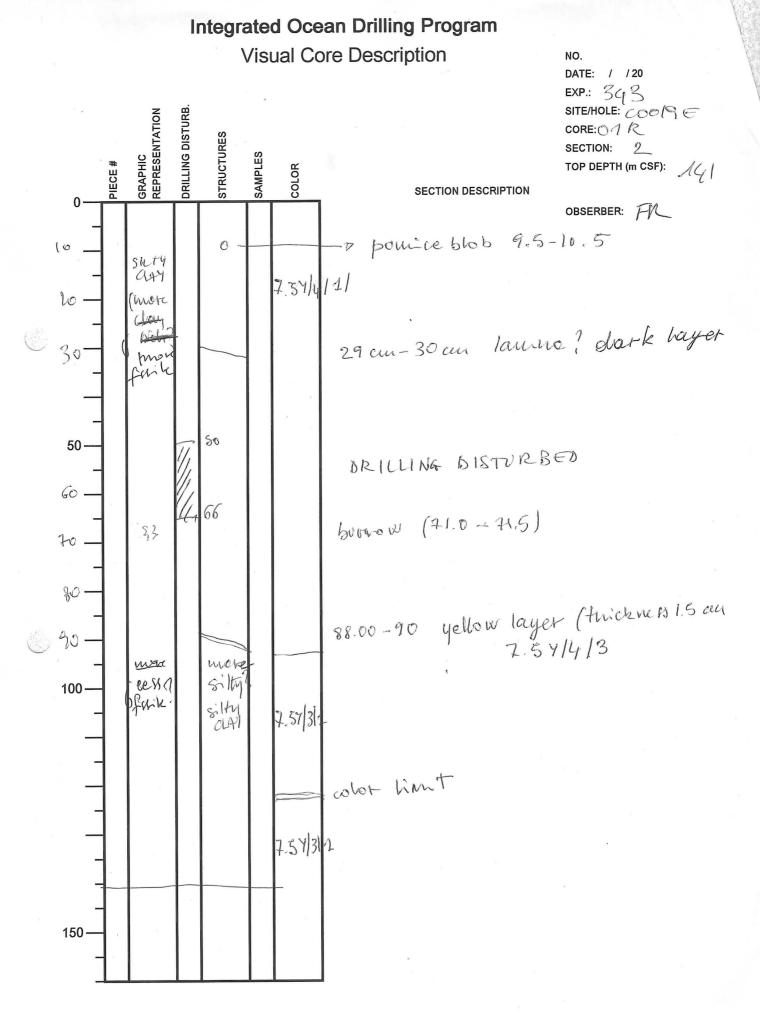
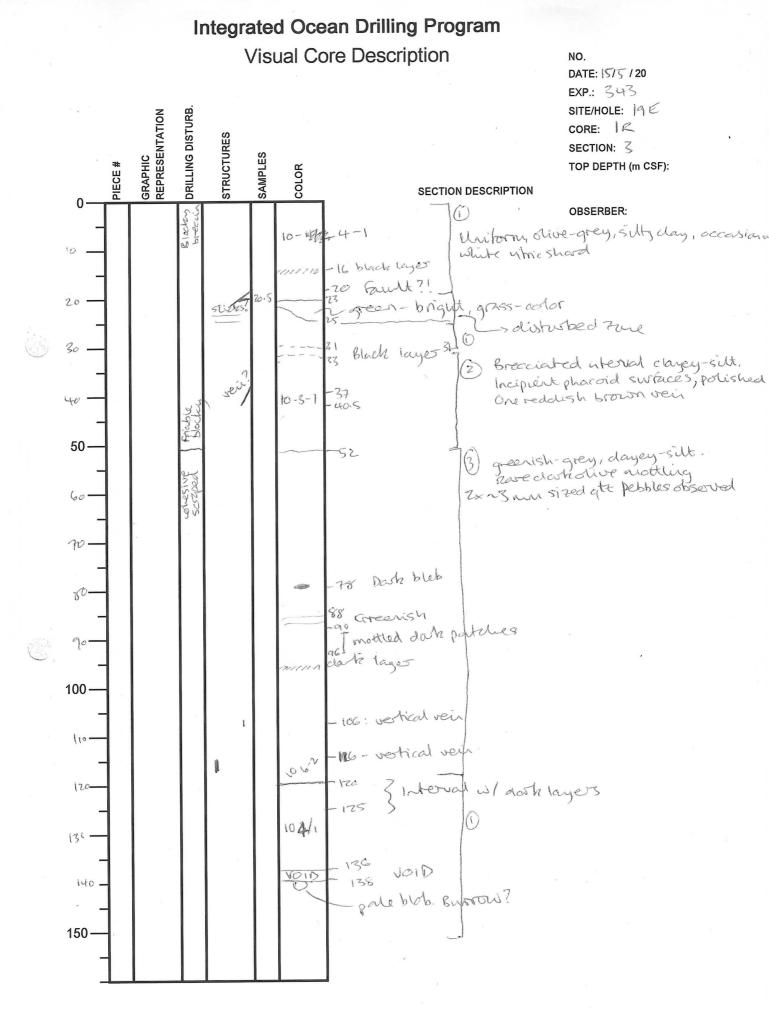
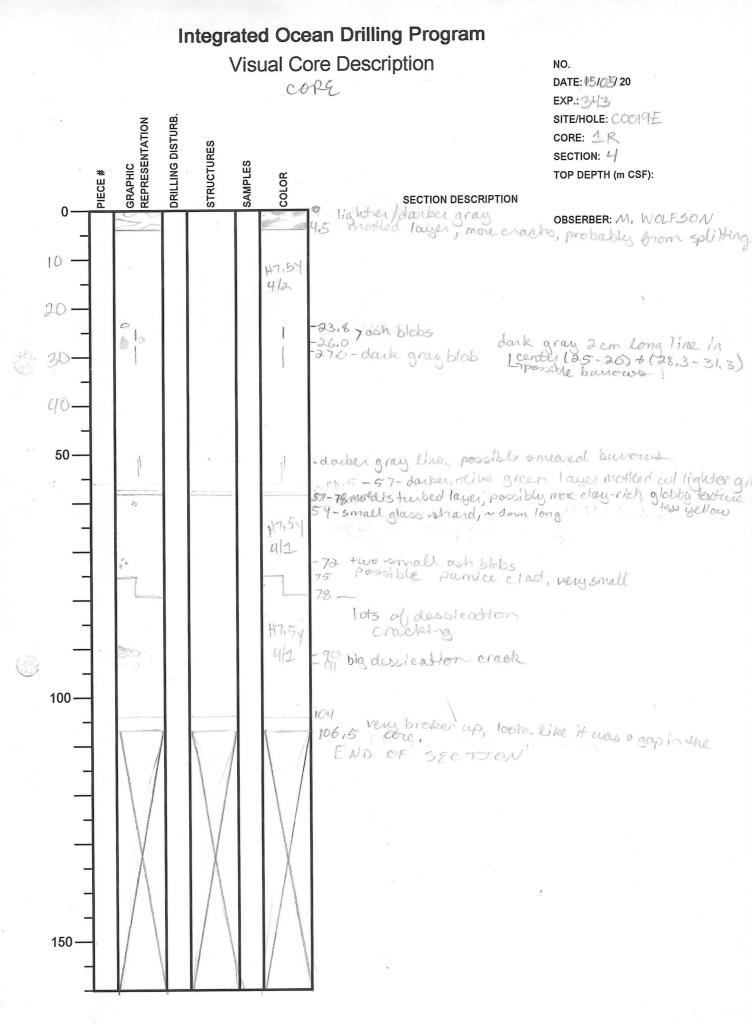
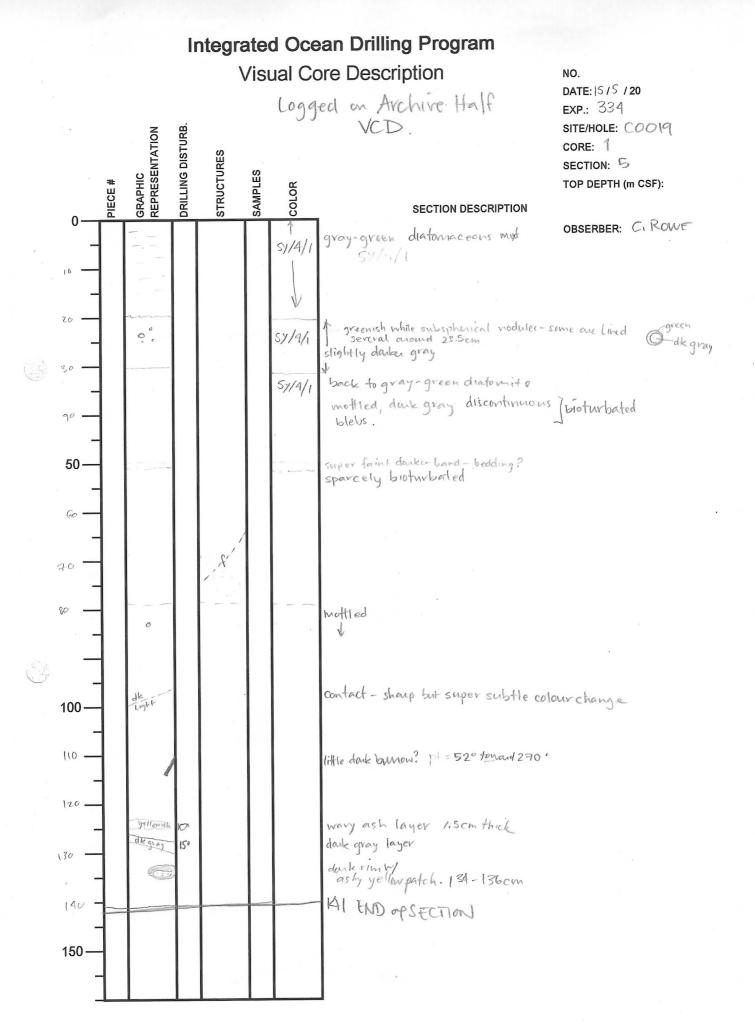


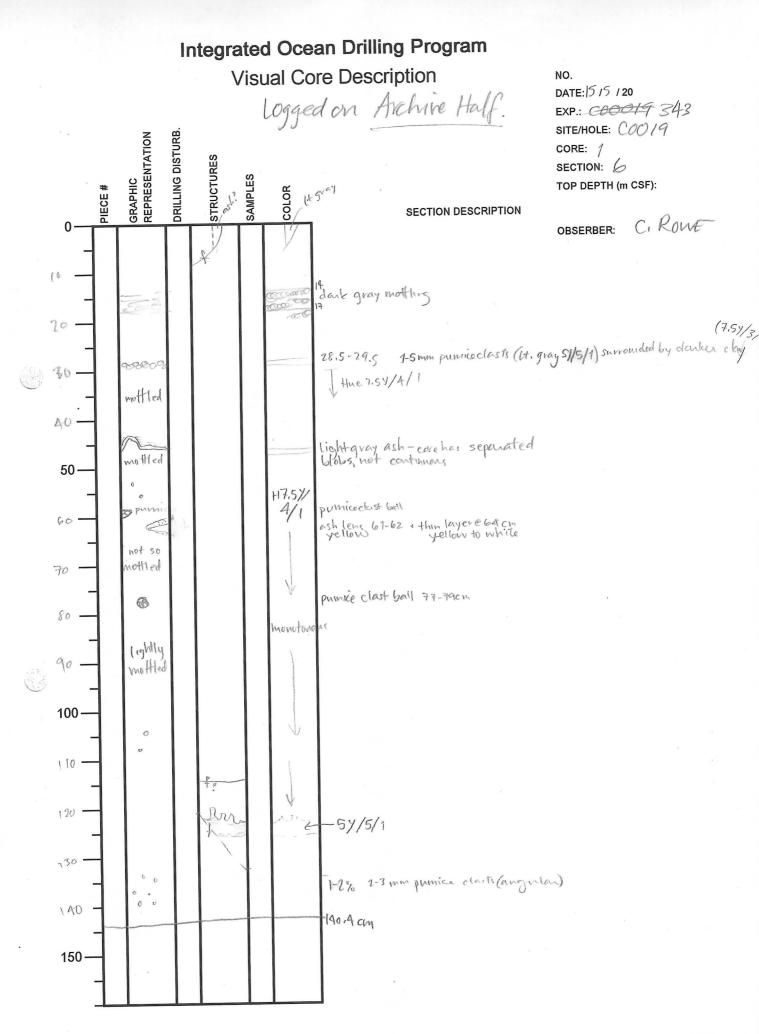
Integrated Ocean Drilling Program



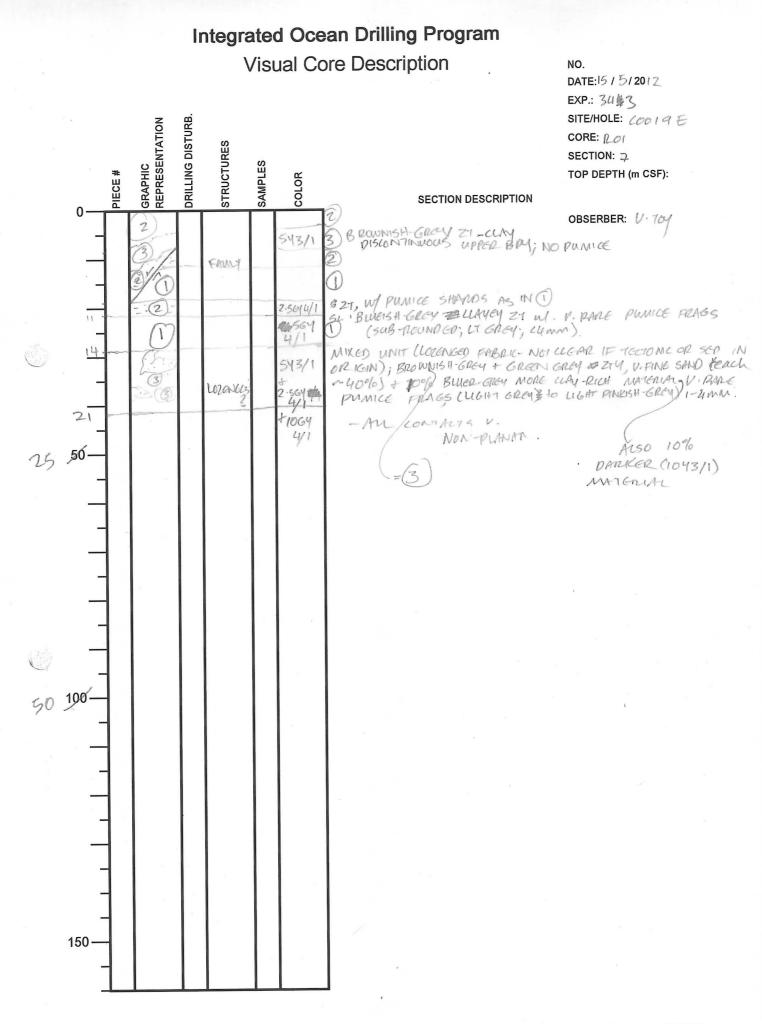


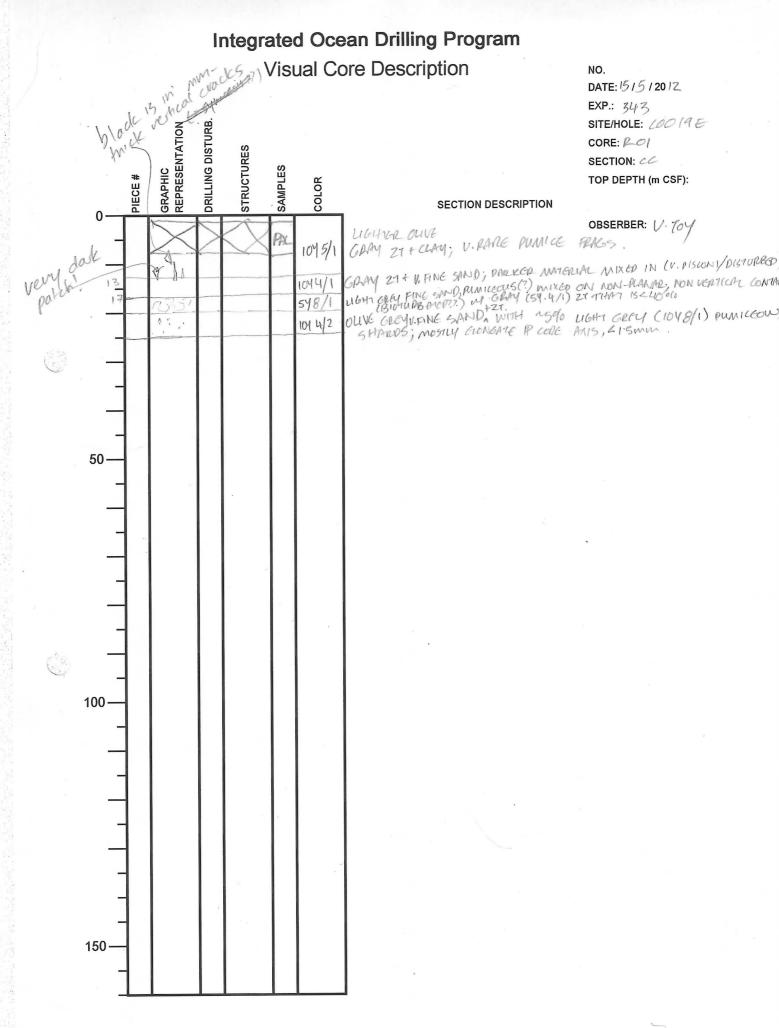


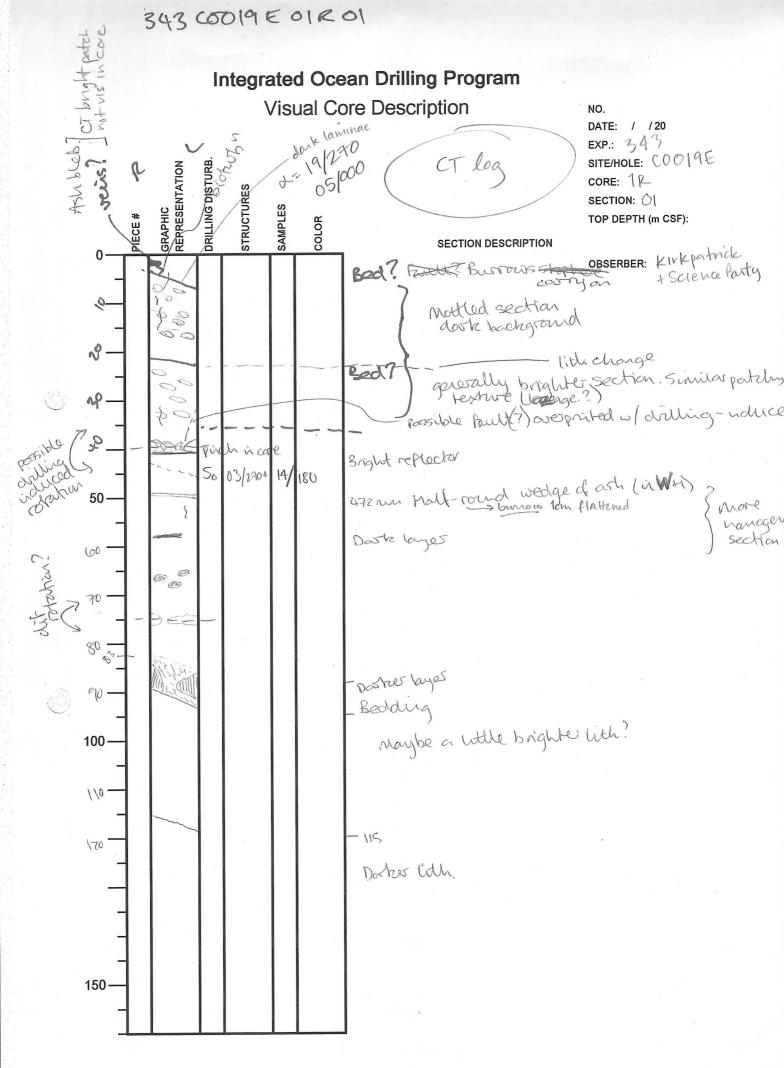


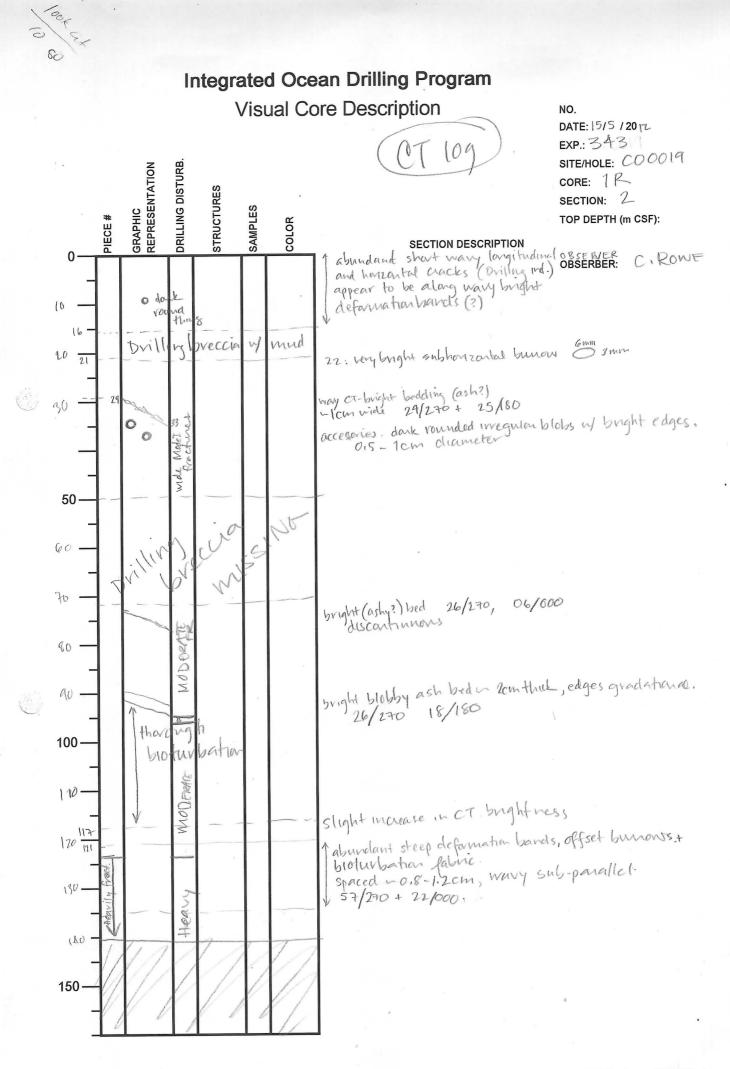


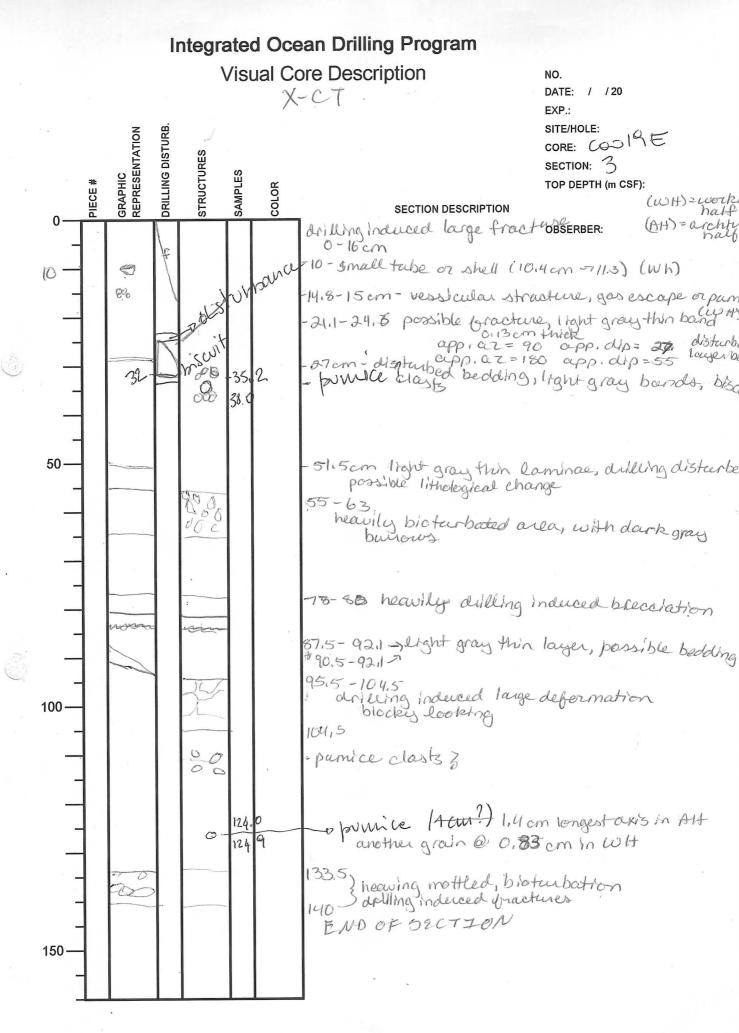
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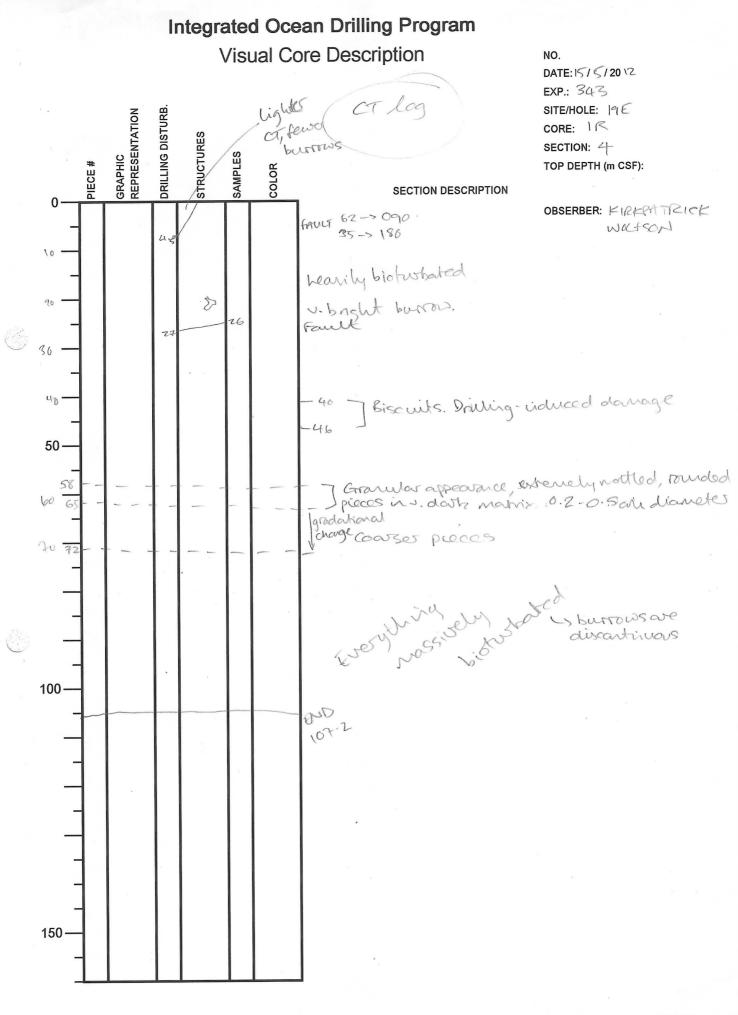


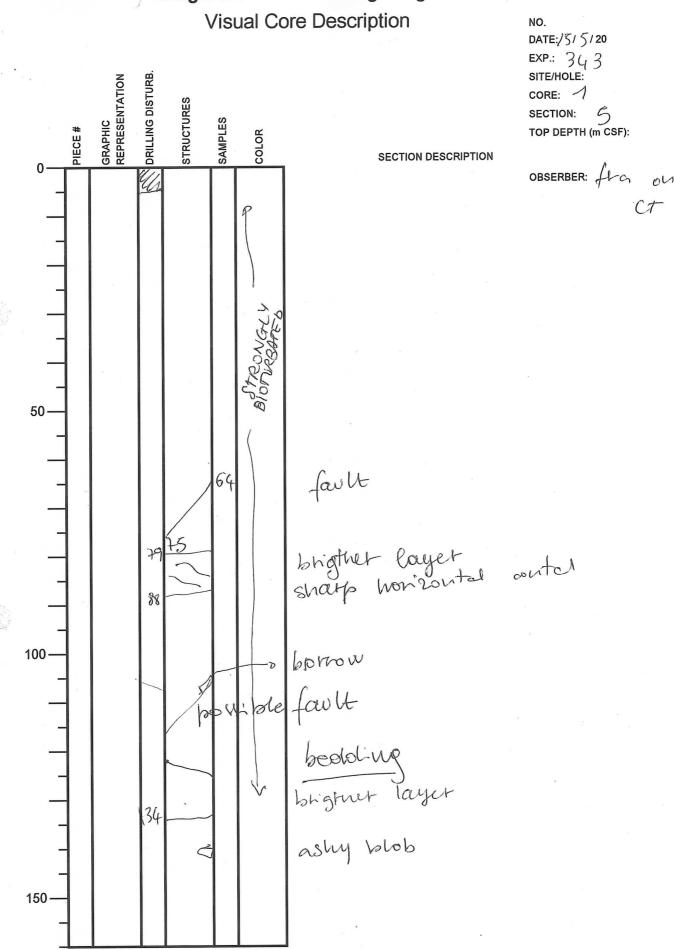




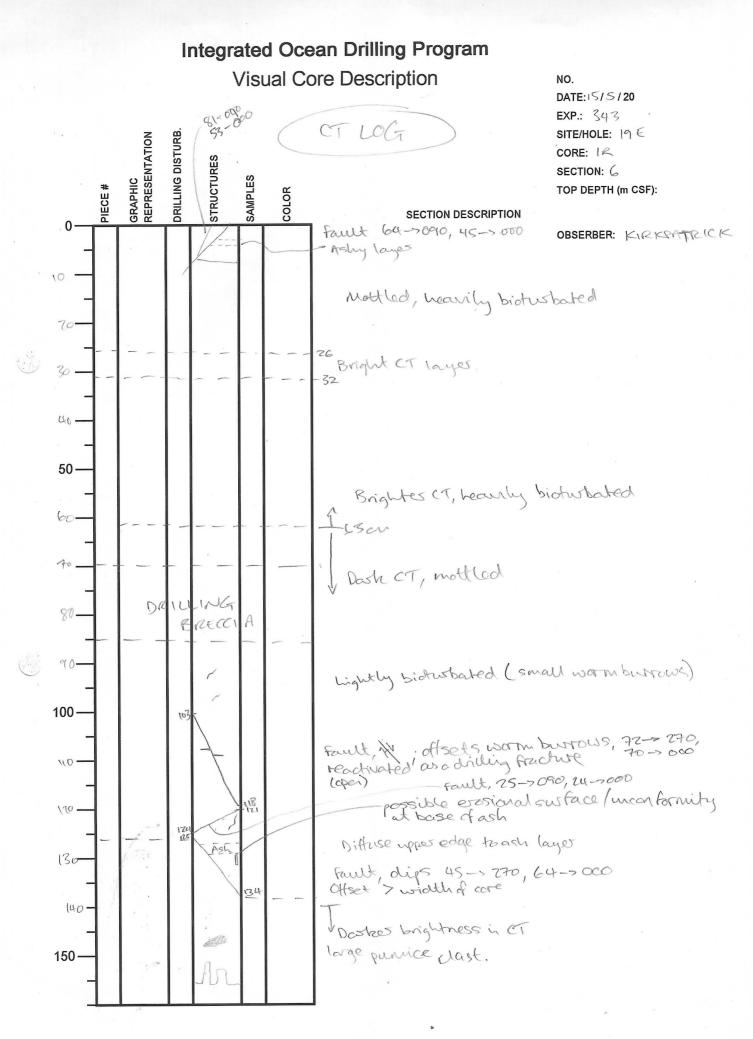


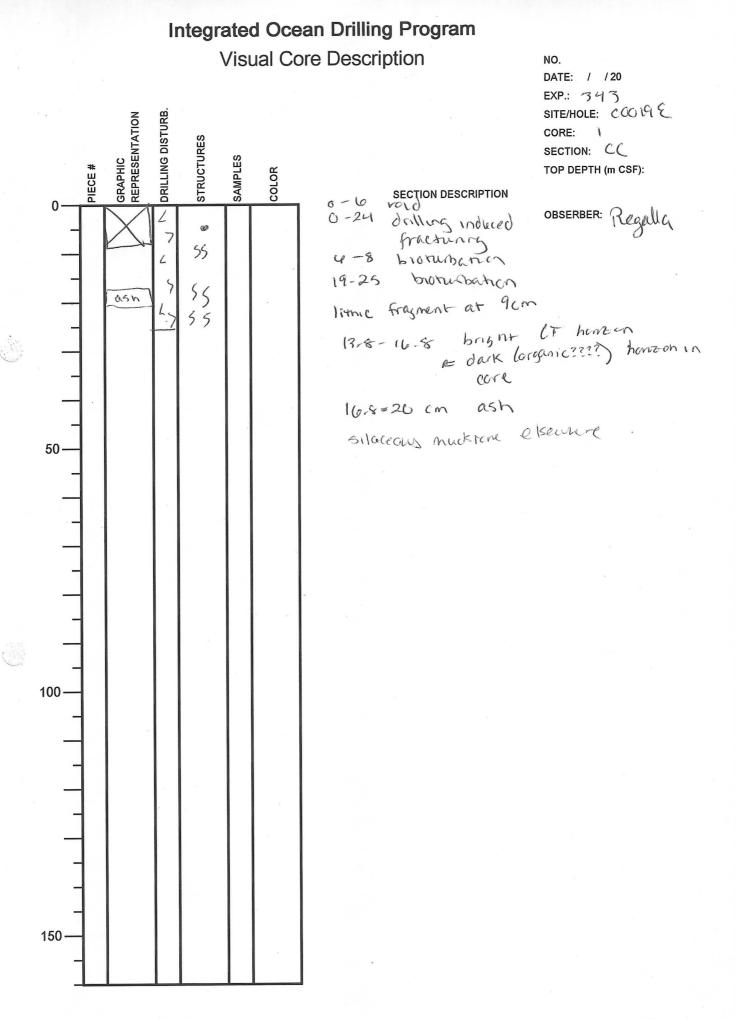


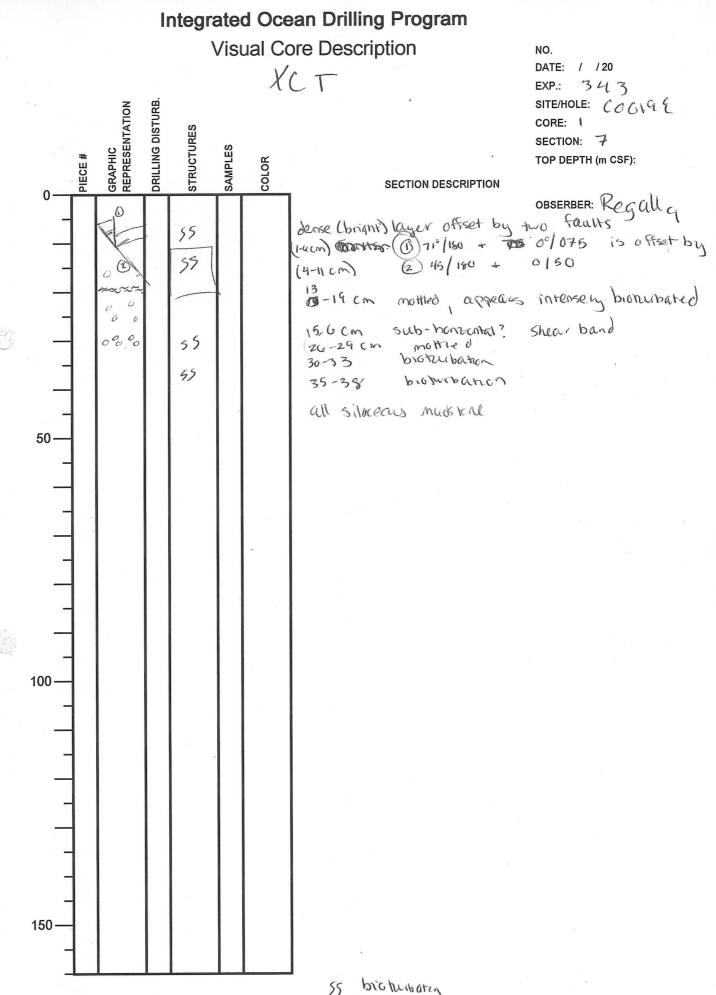




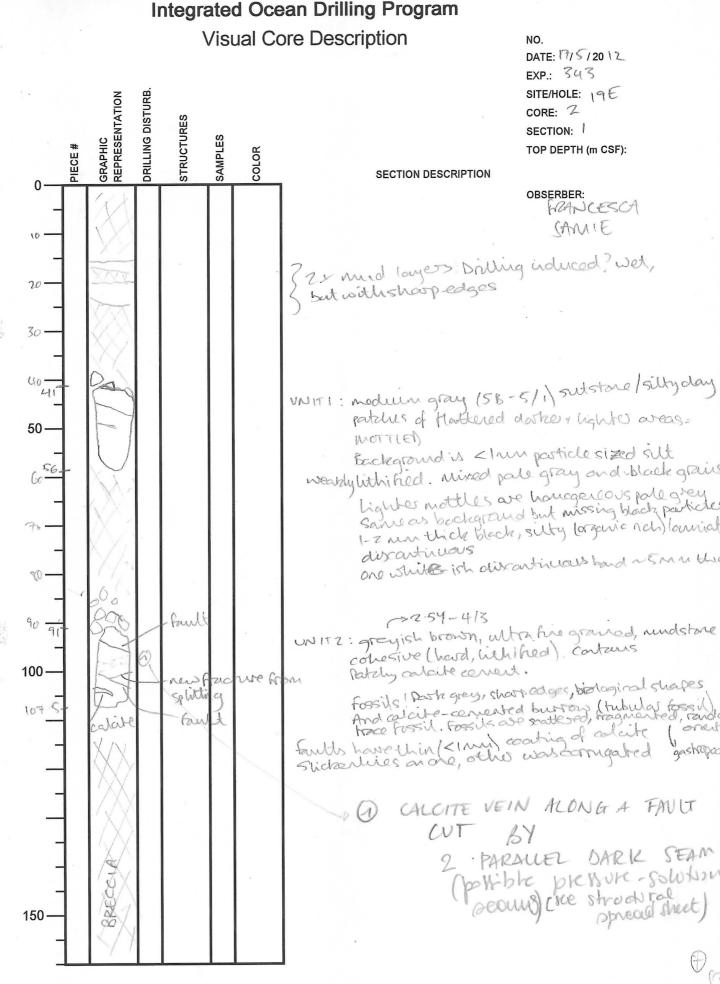
Integrated Ocean Drilling Program



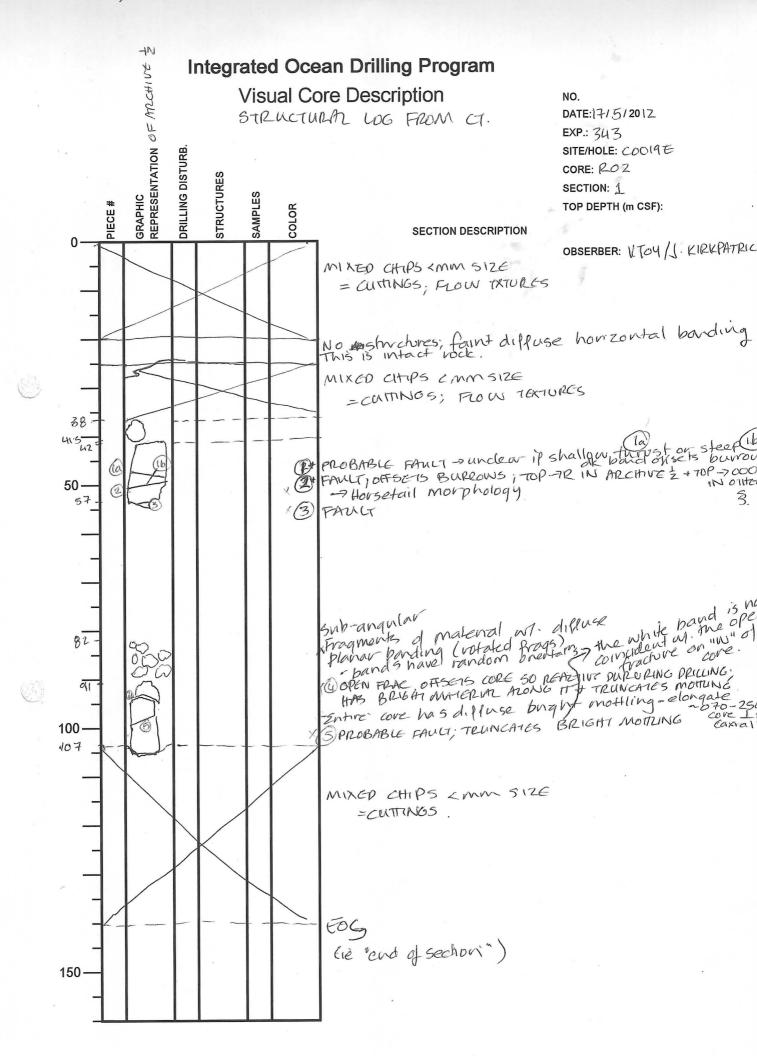


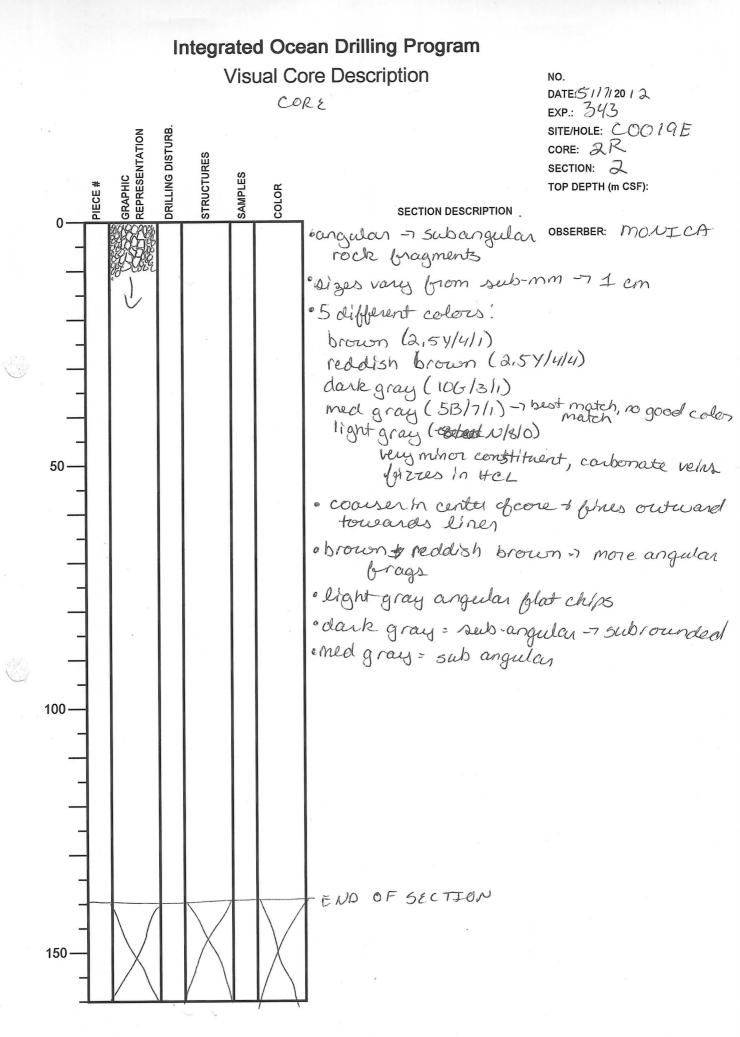


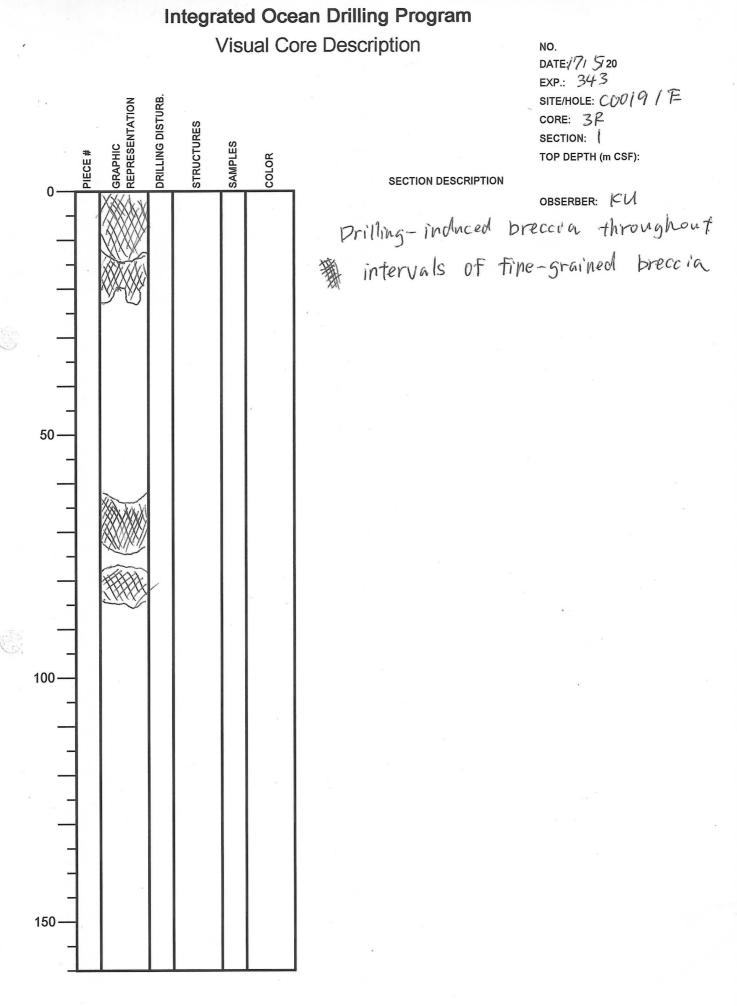
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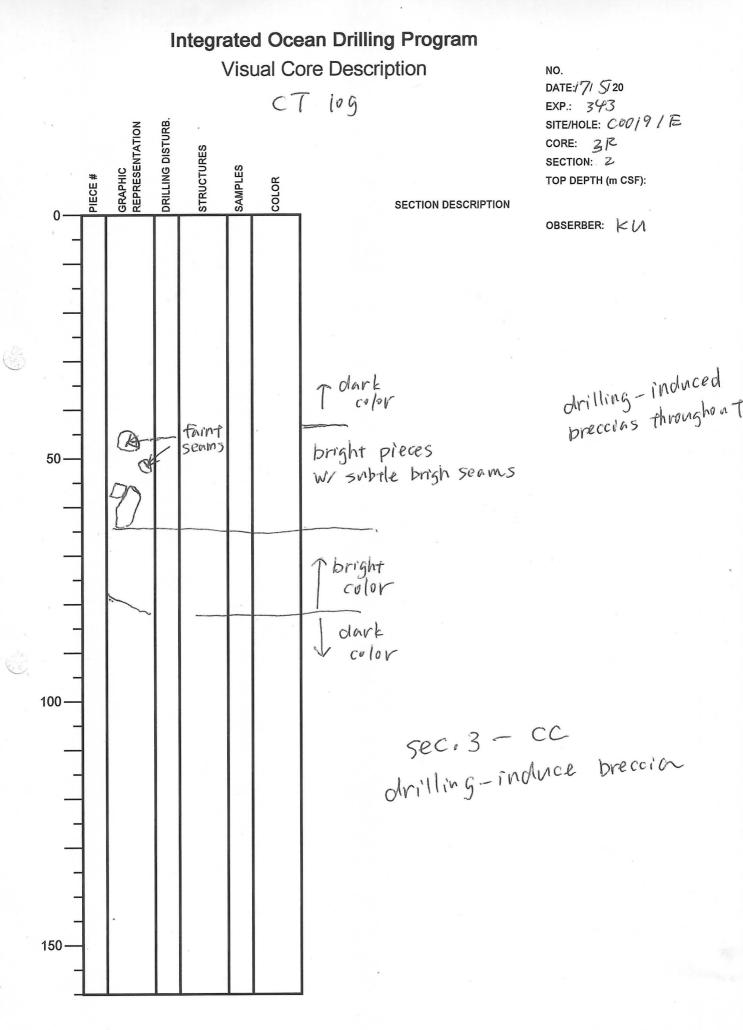


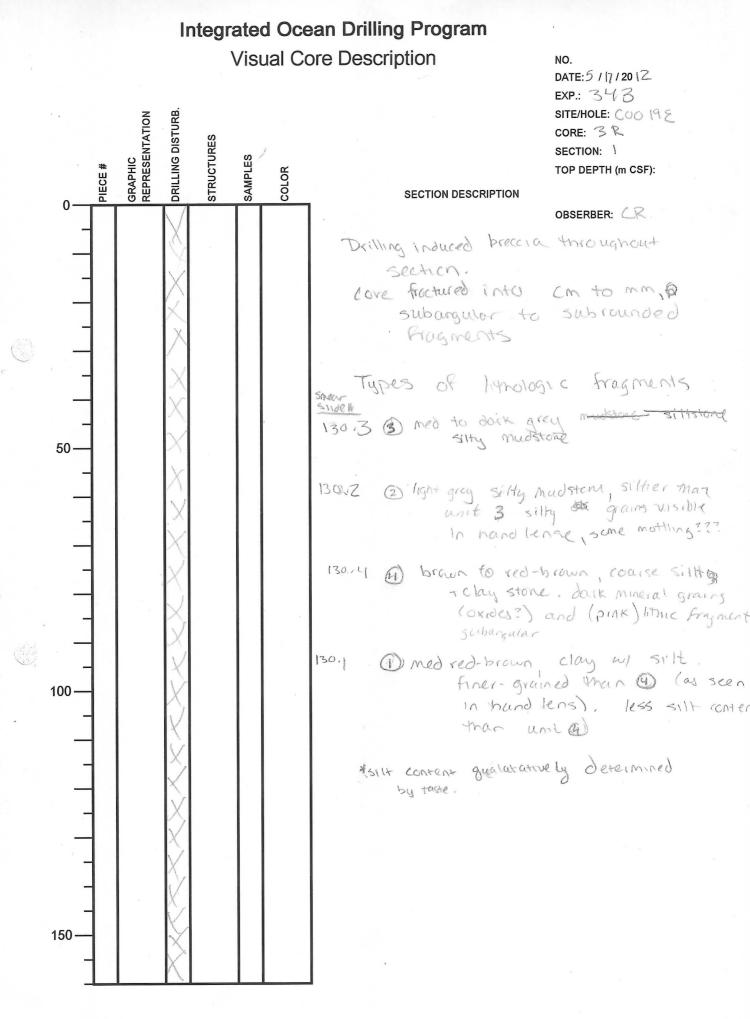
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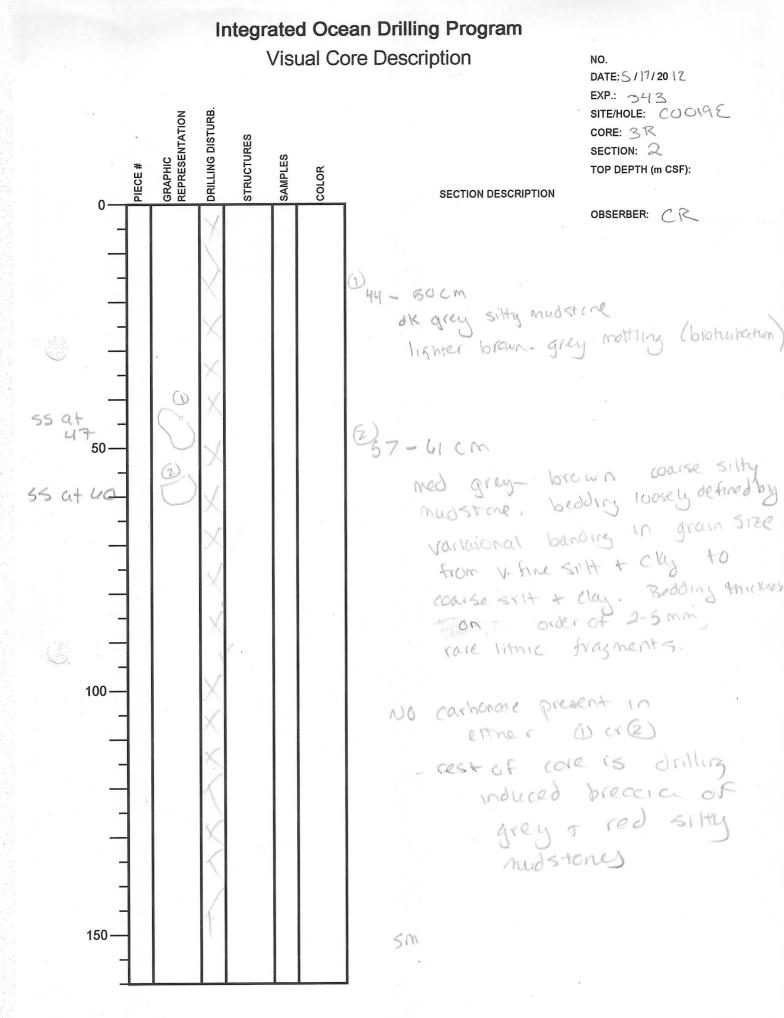


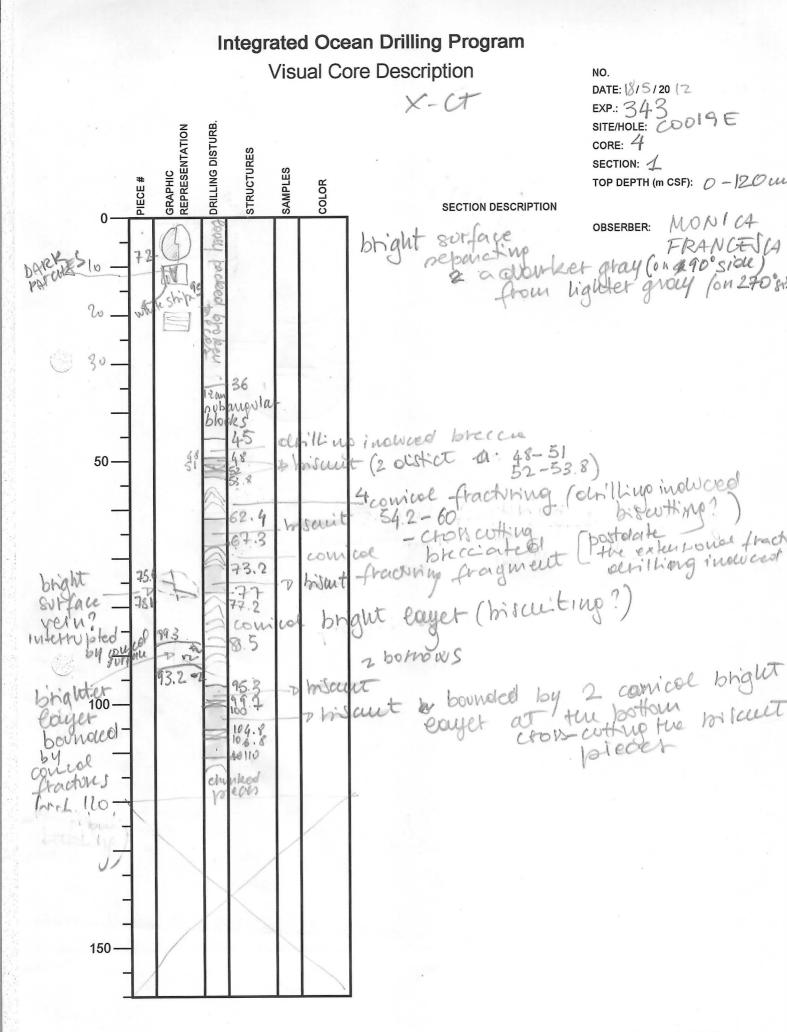




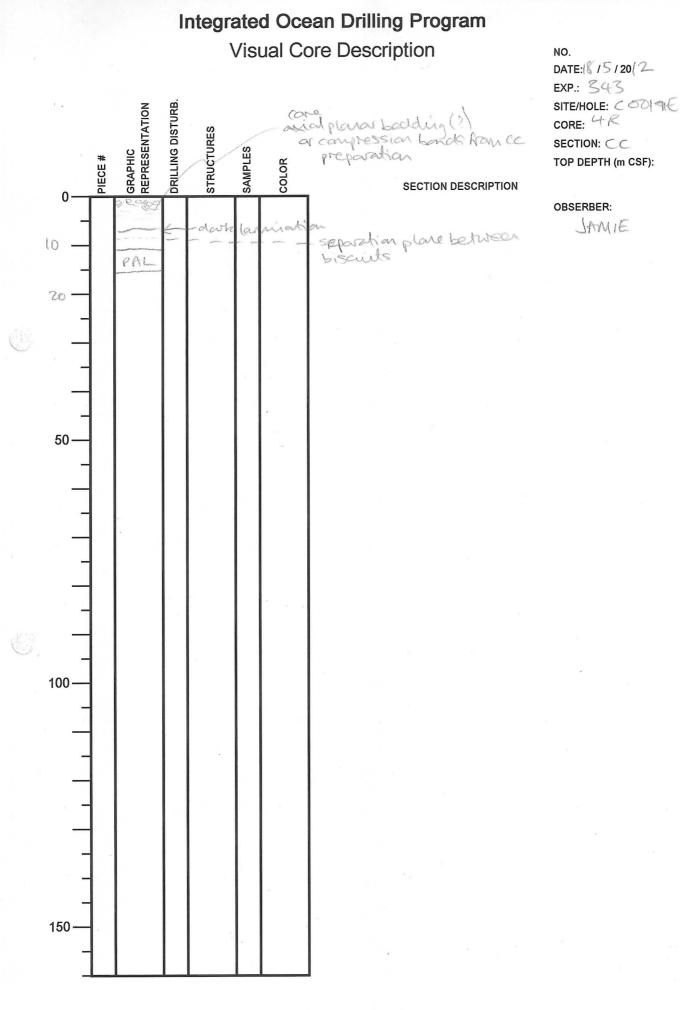


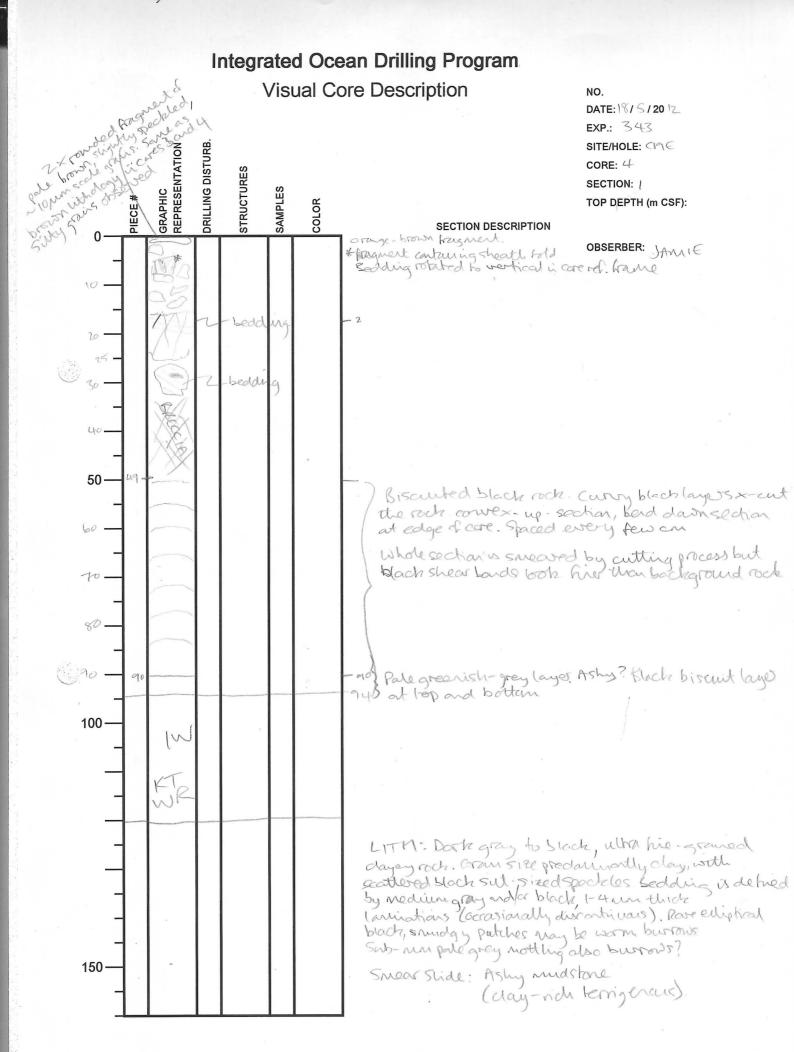
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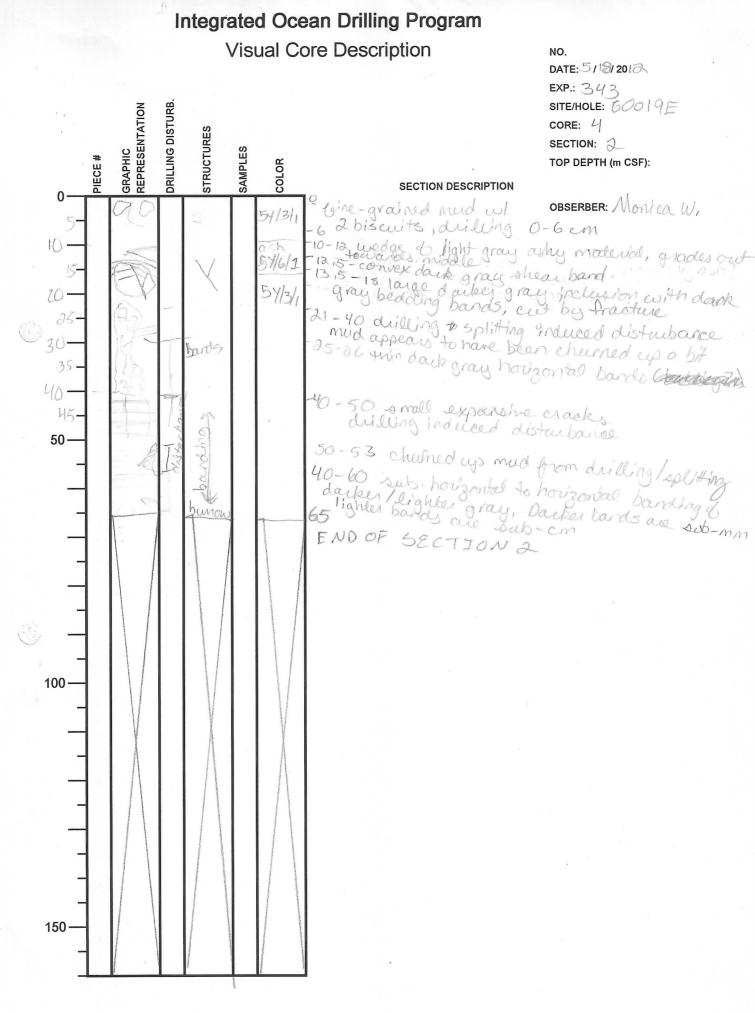


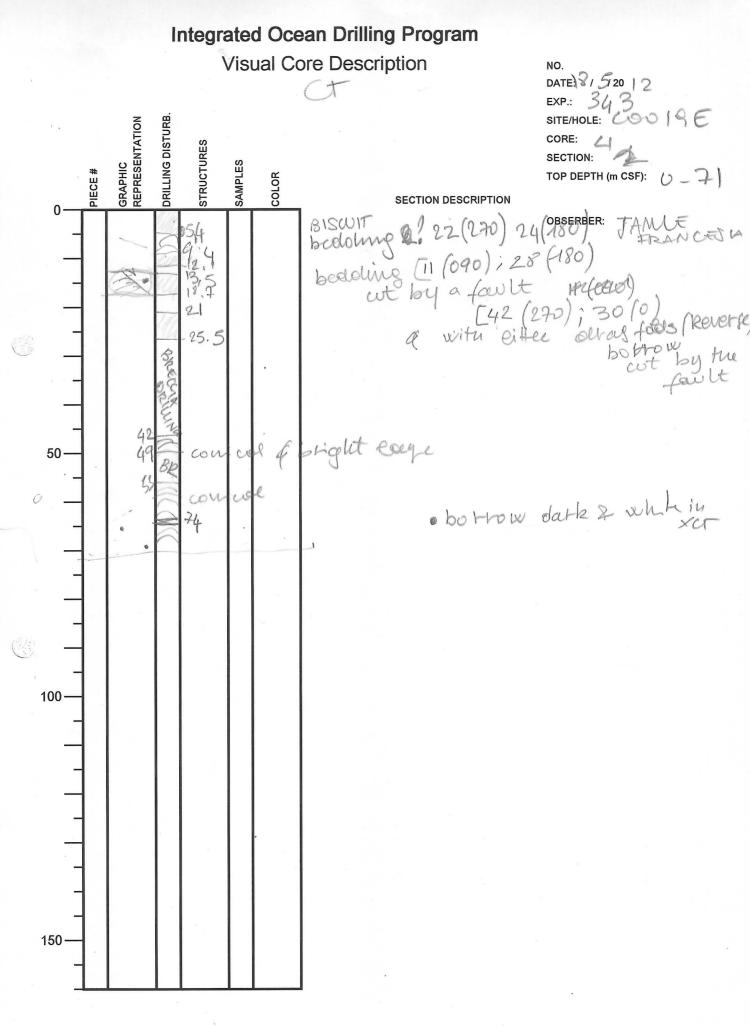


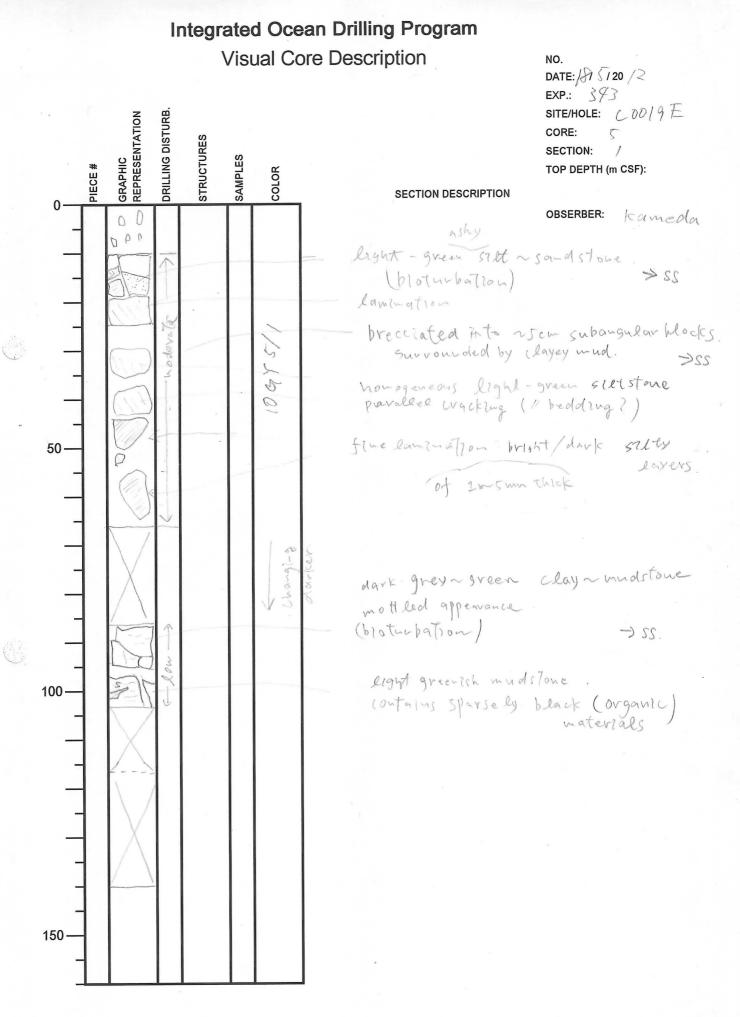
n National and the state of the second











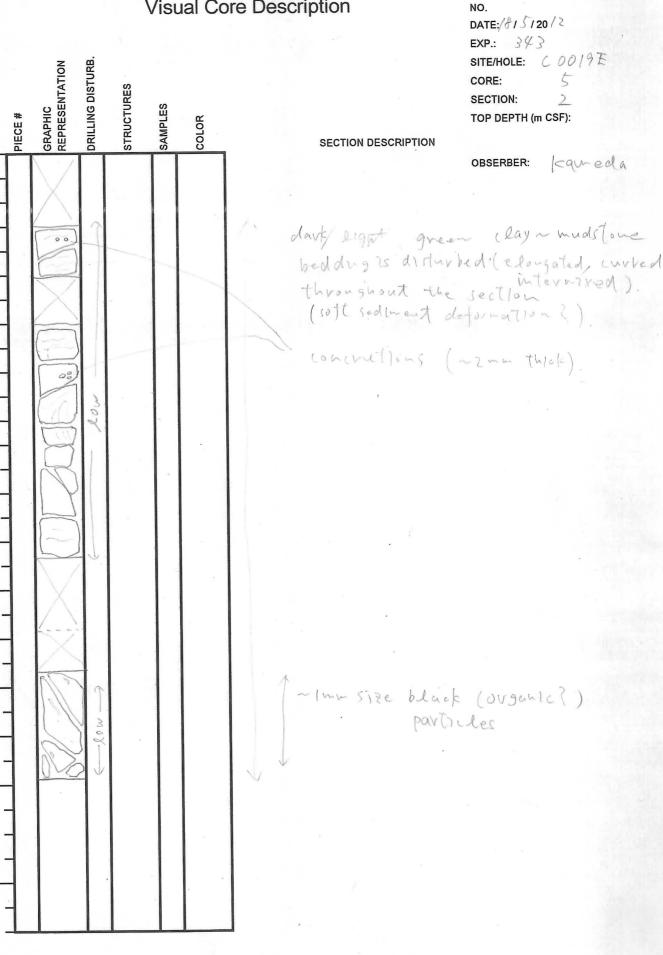
Integrated Ocean Drilling Program Visual Core Description

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50-

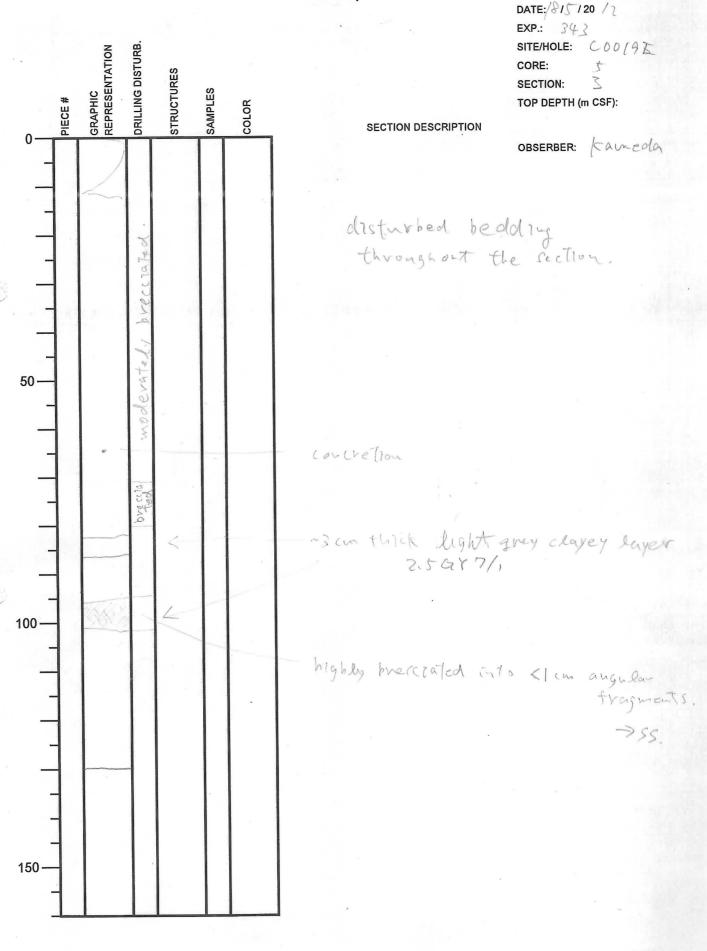
100-

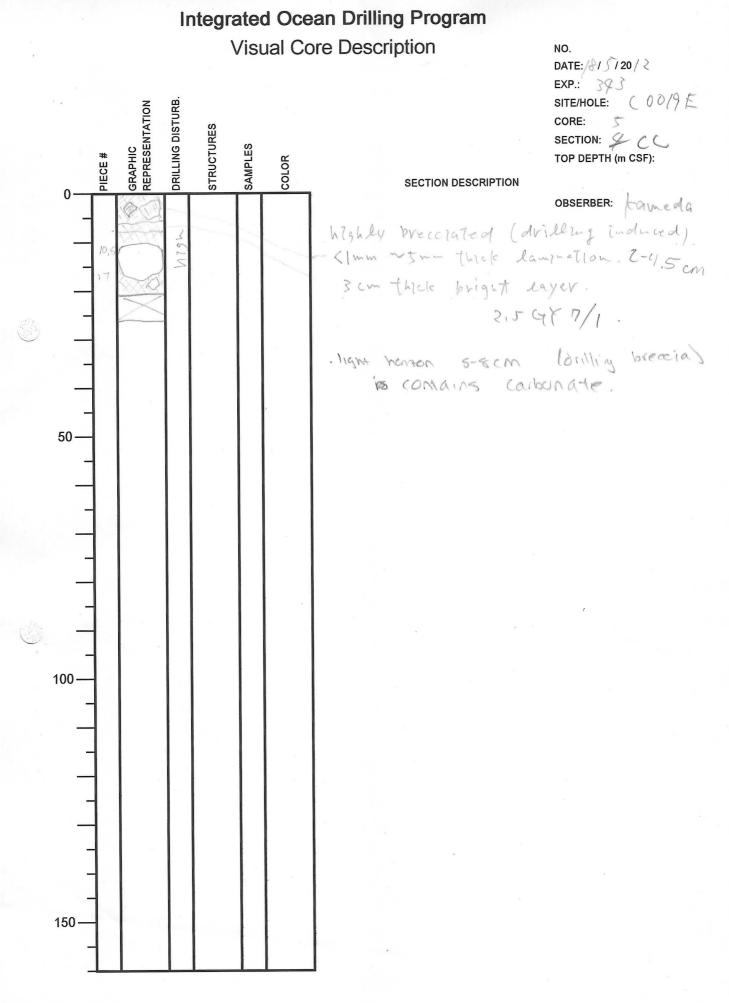
150-

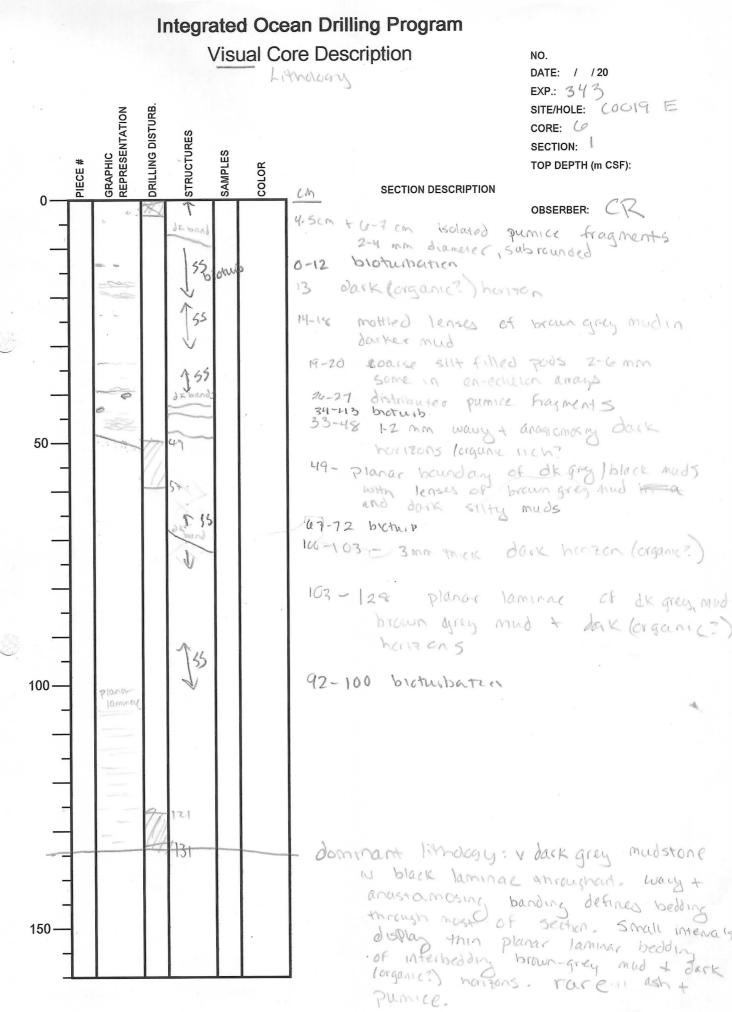


Integrated Ocean Drilling Program Visual Core Description

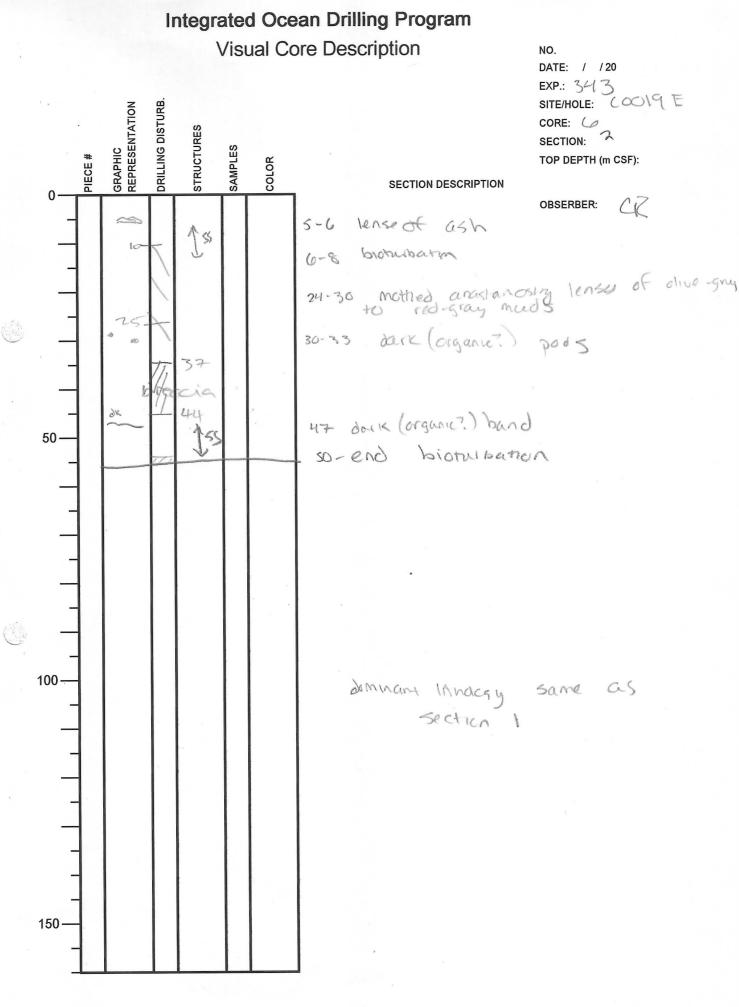
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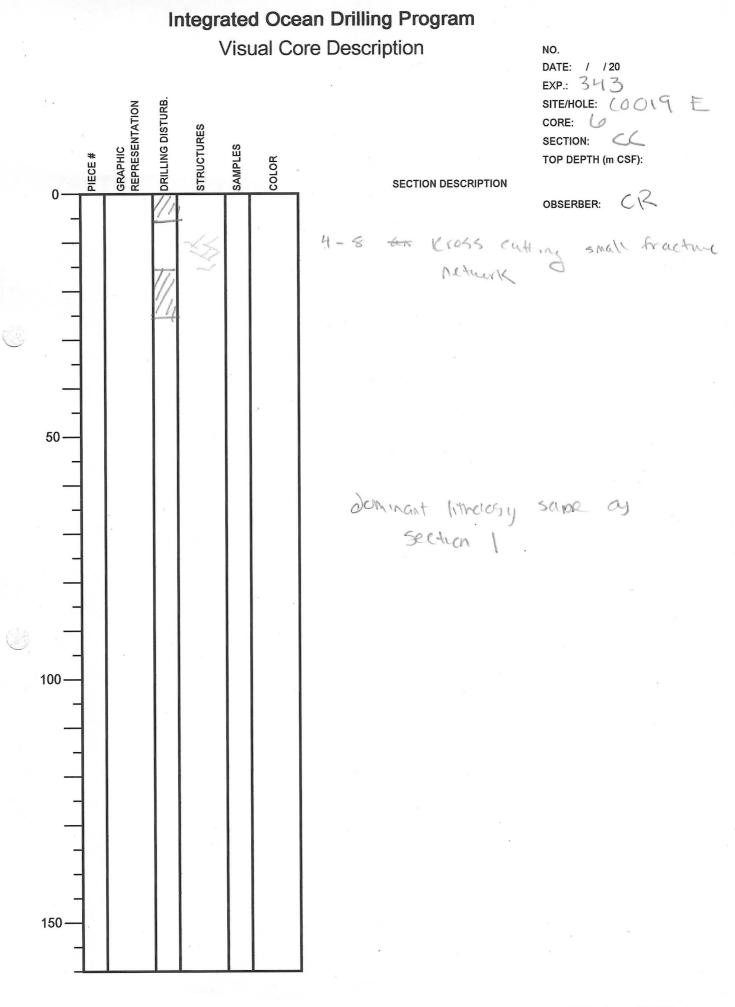




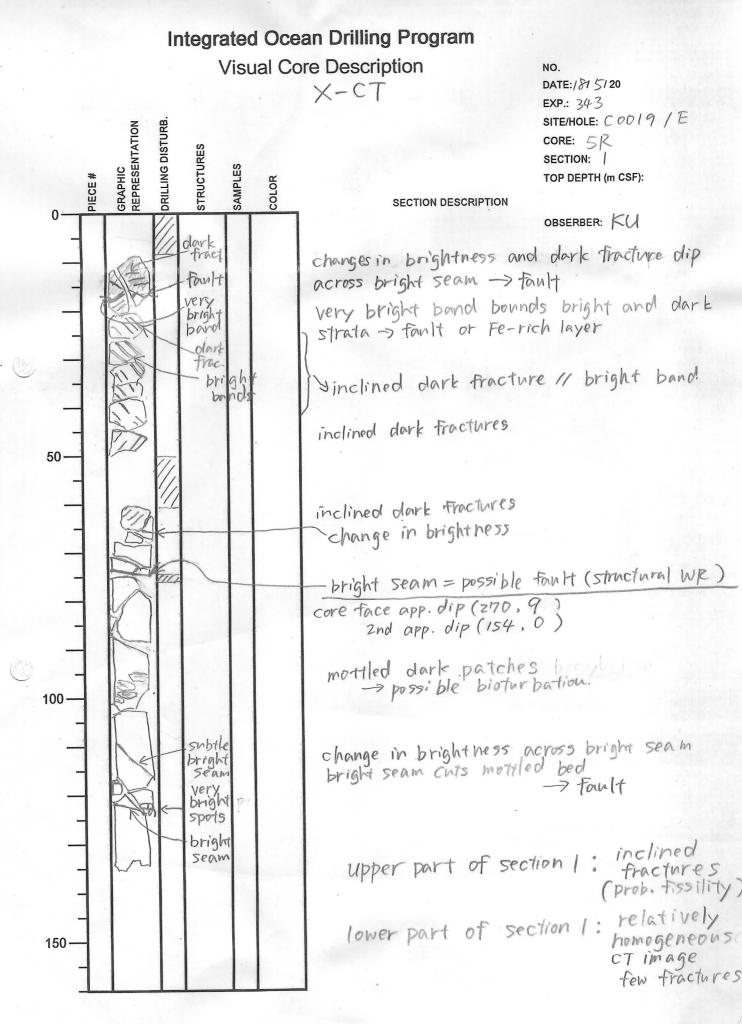


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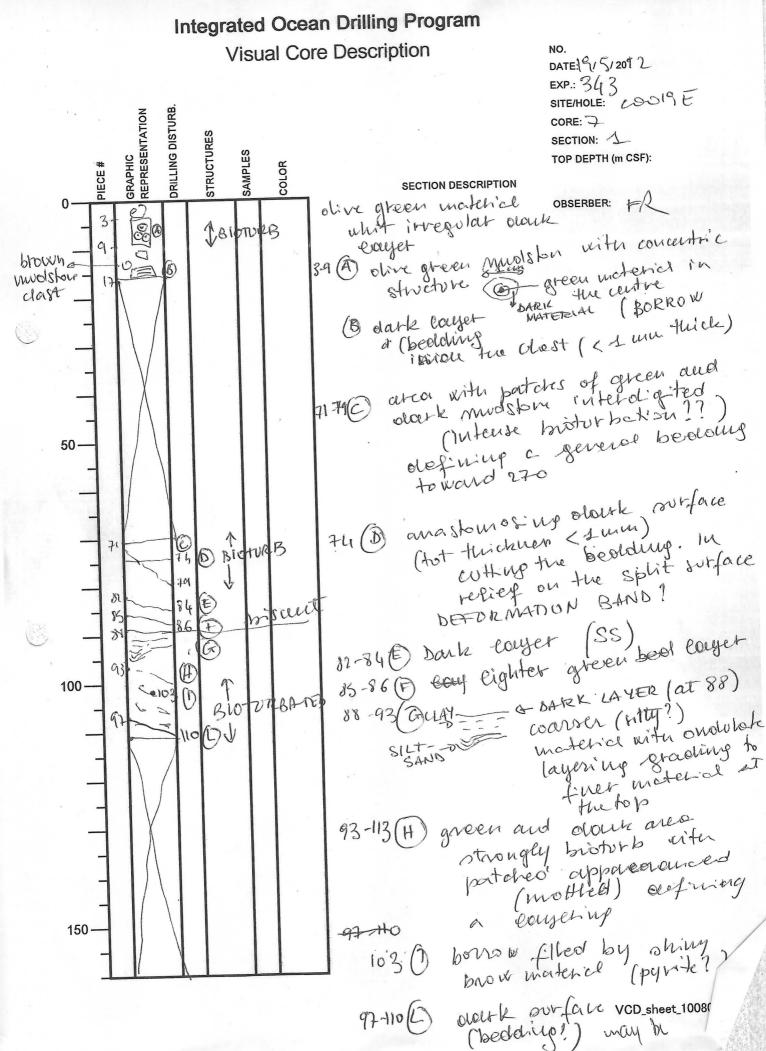
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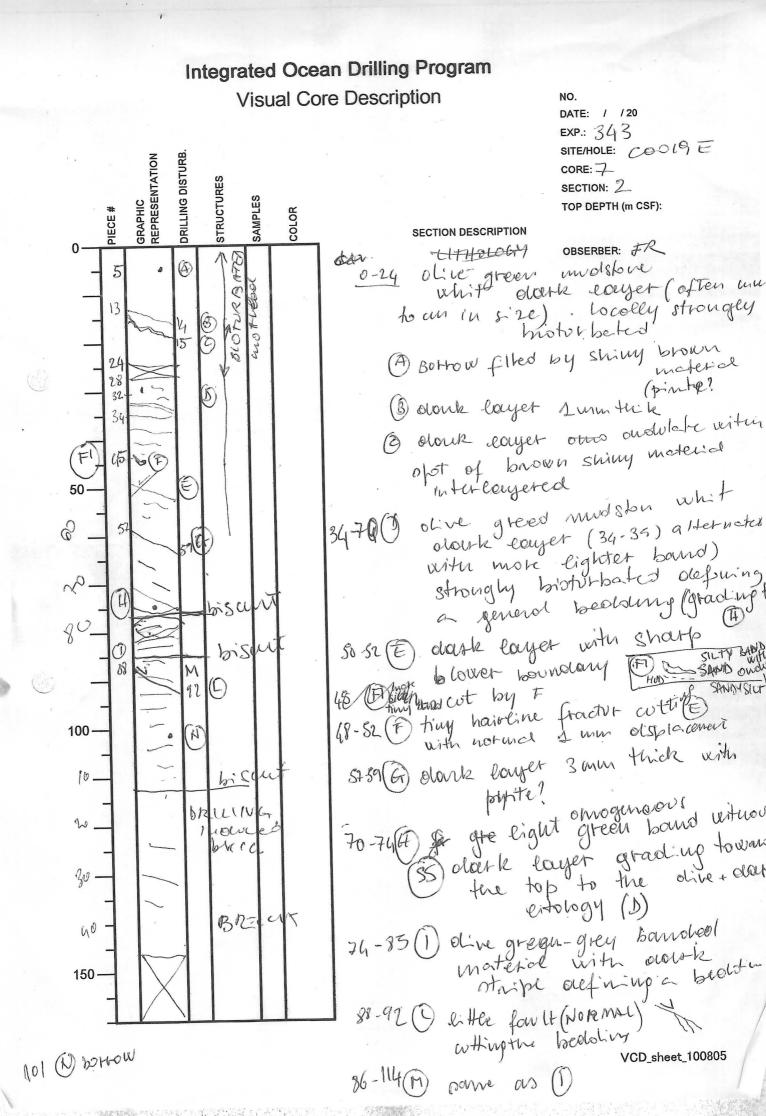
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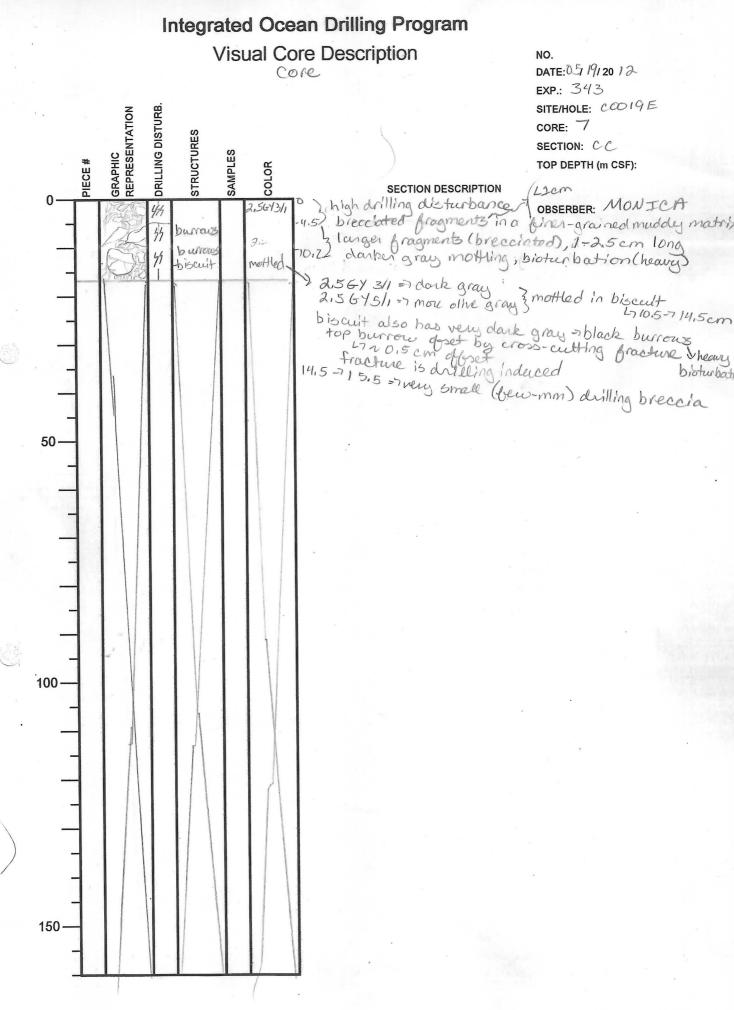
Integrated Ocean Drilling Program Visual Core Description NO. DATE:51/8/20 X-CT EXP.: 343 SITE/HOLE: COO19 /E GRAPHIC REPRESENTATION DRILLING DISTURB CORE: 6R STRUCTURES SECTION: 1 SAMPLES TOP DEPTH (m CSF): PIECE # COLOR SECTION DESCRIPTION 0 KU **OBSERBER:** pright planar bright seam seam bright seams bright seams birthcated or curviplanar seam bright change in thickness of band seams bright layer at bottom of the piece. compacted shear zones? band 50 Fe-rich layer? bright seam cuts and offsets layers -> faulbright change in brightness across bright seam) Seam subhorizontal bright band significant change in thickness bright band bright bright seam is displaced by the other bright seam showing reverse slip w/ respect to bright SEAMS 100 horizontal plane. compared to core SR more bright number of bright seams / bands than above hithology change 7 is increased in core GR. 150

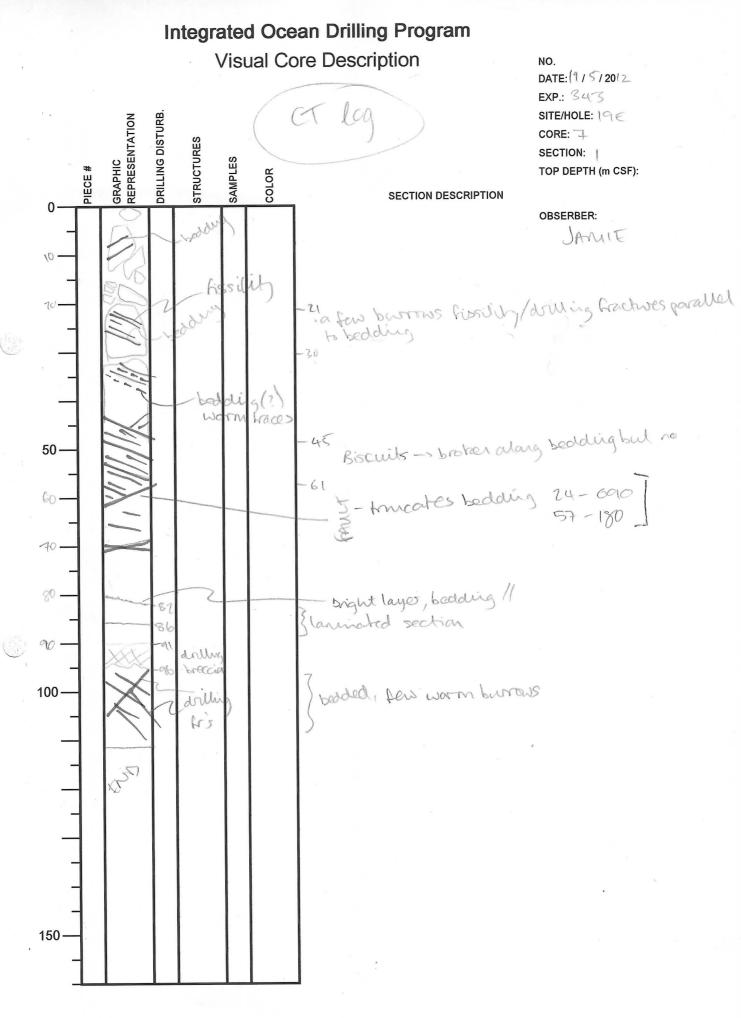
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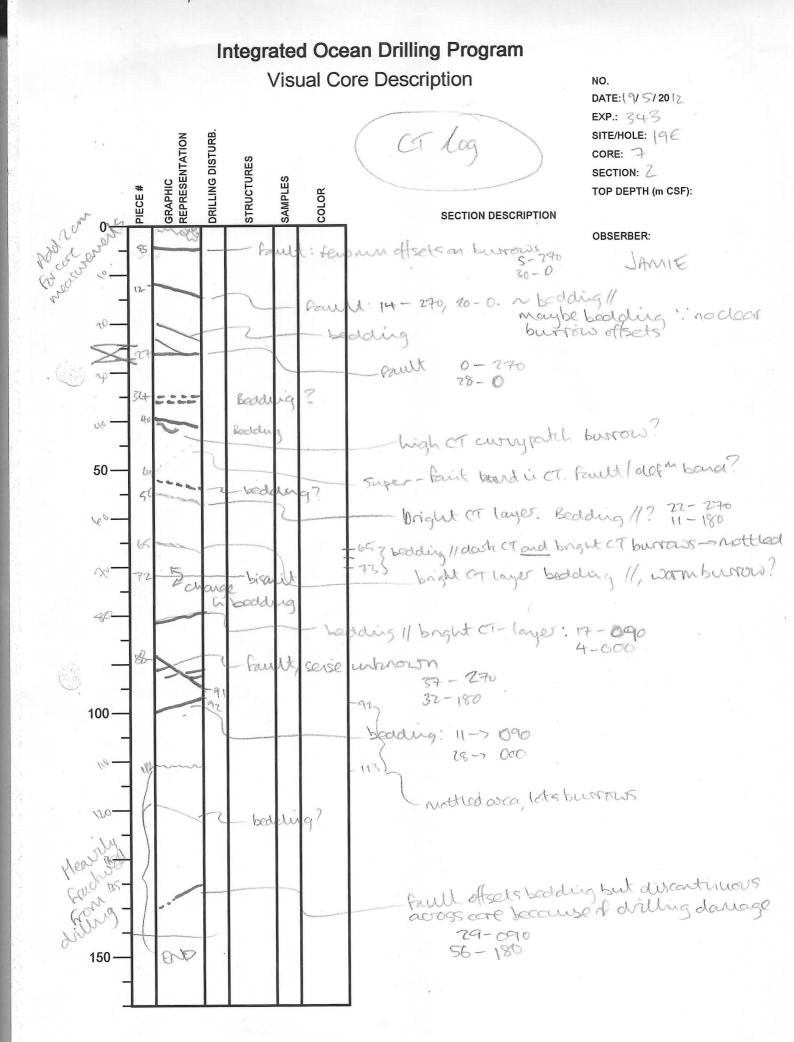


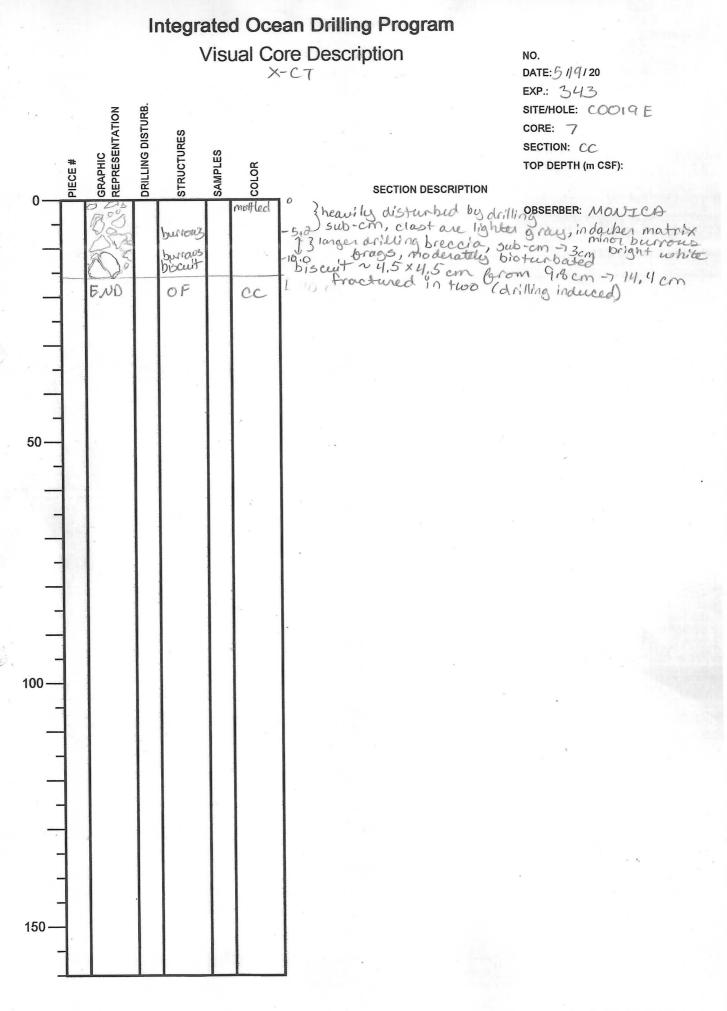
and the second second second

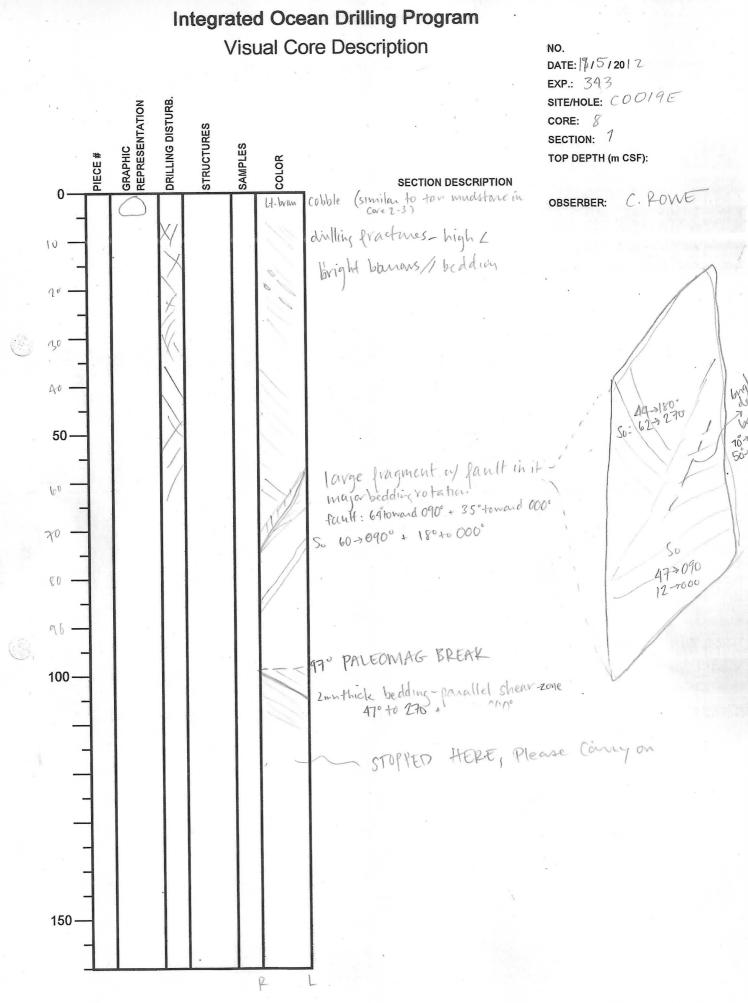


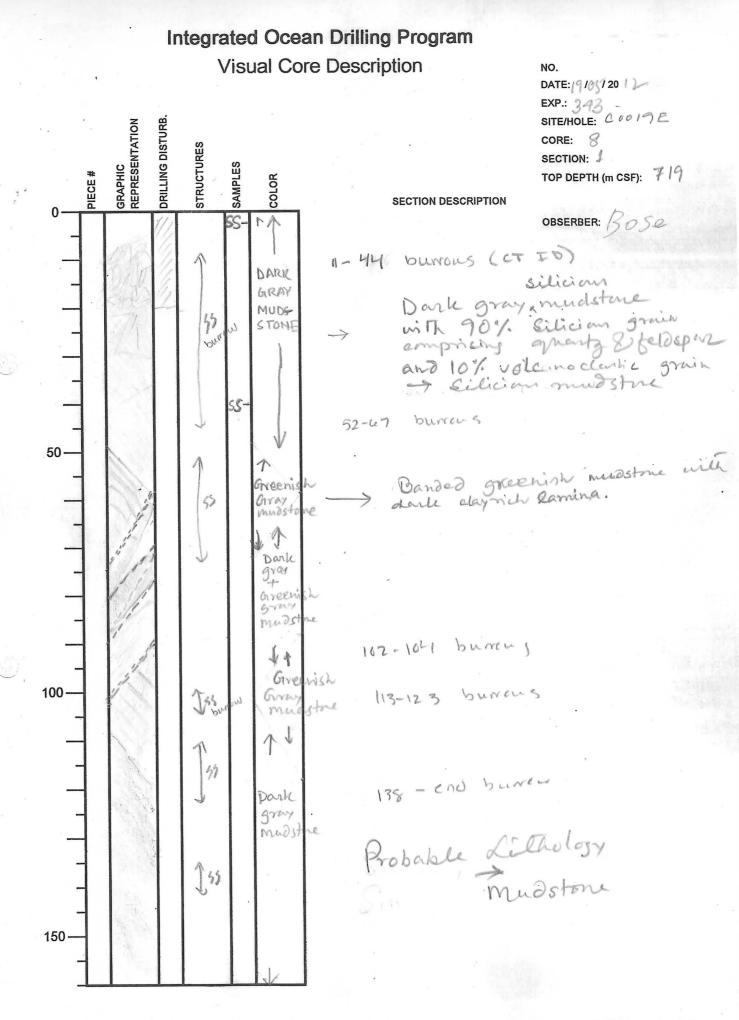






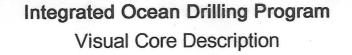






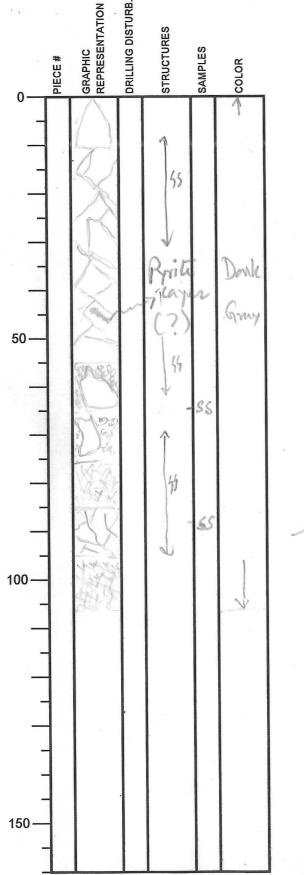
NO.

DATE: 1915 / 20 12-EXP.: 343 SITE/HOLE: COGIGE GRAPHIC REPRESENTATION DRILLING DISTURB 8 CORE: STRUCTURES SECTION: 🔊 💫 SAMPLES COLOR TOP DEPTH (m CSF): PIECE # SECTION DESCRIPTION 0 OBSERBER: BOSE 59 5 10-25 brothebation 38-55 bioturbation Lithology in darke 1 gray in colorer and can be KINR named as deithe gray mudstare In overcell, it in comprised gr. bine grained material. Ansever 55 50 locally, bands of course grained chy in seen. Due cover part of This section is highly fractured from 100cm to Darle 141 cm. Visually, it in Rempted. To call as breceived rock. Need 45 Gray to be confirmed with CT number. 55 This layer of course grained silt. 100-70-81 biotur 10 155 84-102 brokerb Breciated lithology 105-114 biotish 135 - 137 bioturs Probable lithology -> 155 J Mudstone with - Silly lamina 150



NO. DATE: 1915/2012 EXP.: 343 SITE/HOLE: COOLGE CORE: 8 SECTION: 3 TOP DEPTH (m CSF):

OBSERBER: Posa



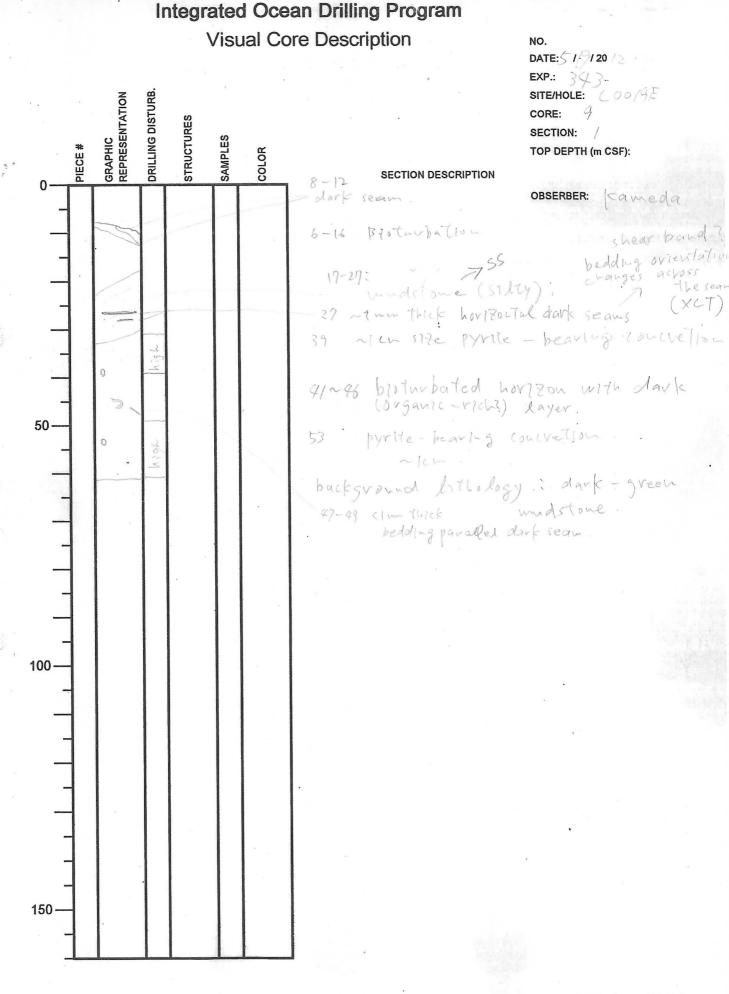
Primary Structure & Bedding in visible by compositional banding (measurement see structural 103). It romble location, a band of pyrite(?) rich dayer has been traced. In overall, The section in highly fracture with Diffourt intensity. Whe top of the section hill so ch in reletively less fractured that the ilower put.

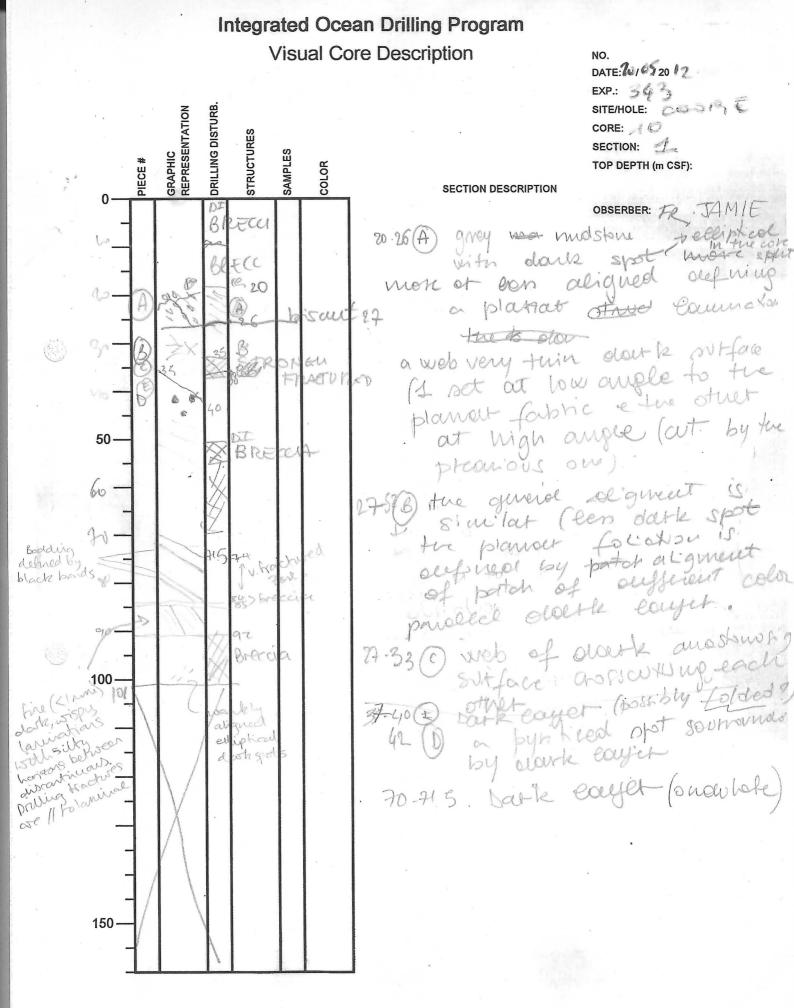
Ornall Litholog 7

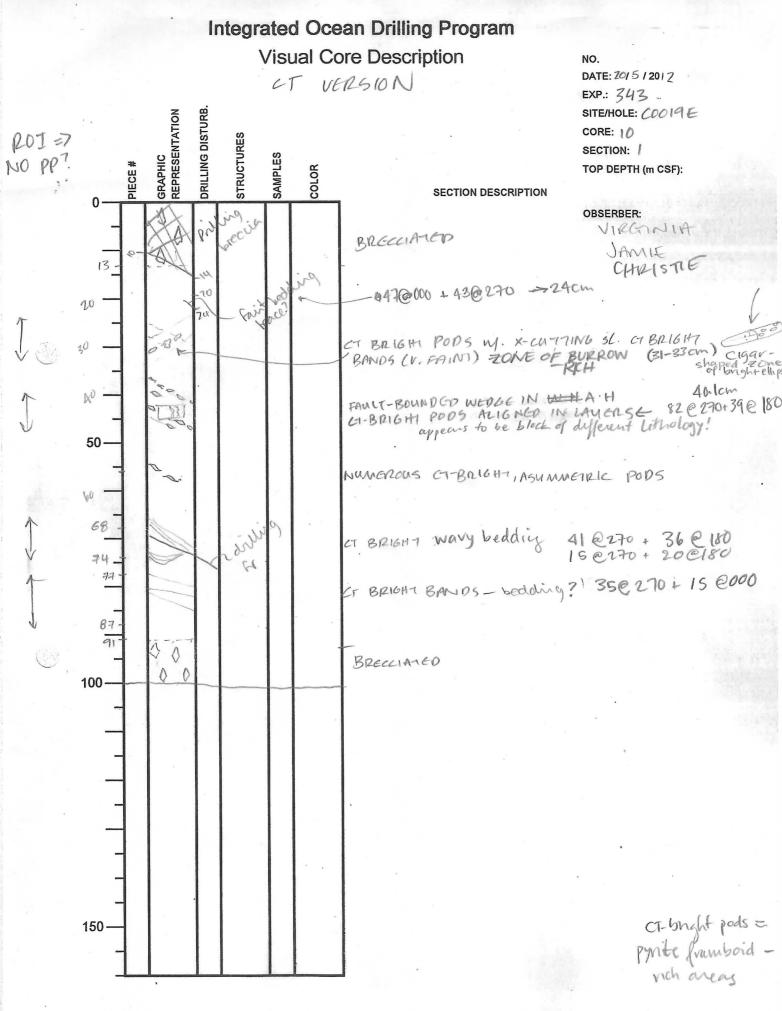
SECTION DESCRIPTION

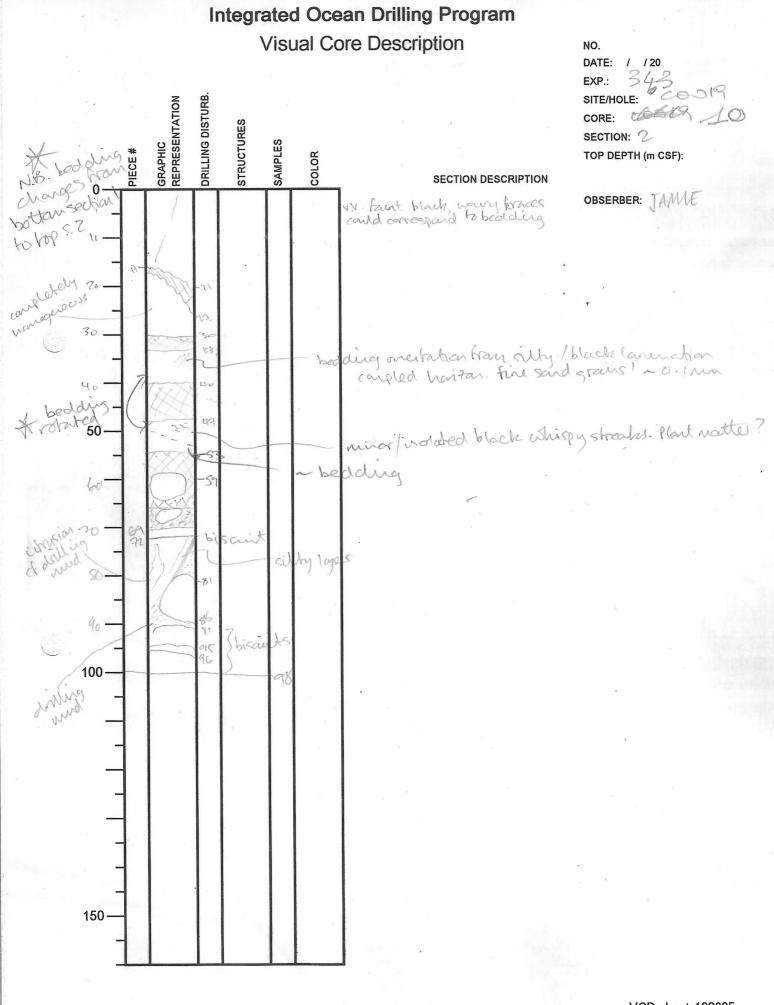
Mudstone

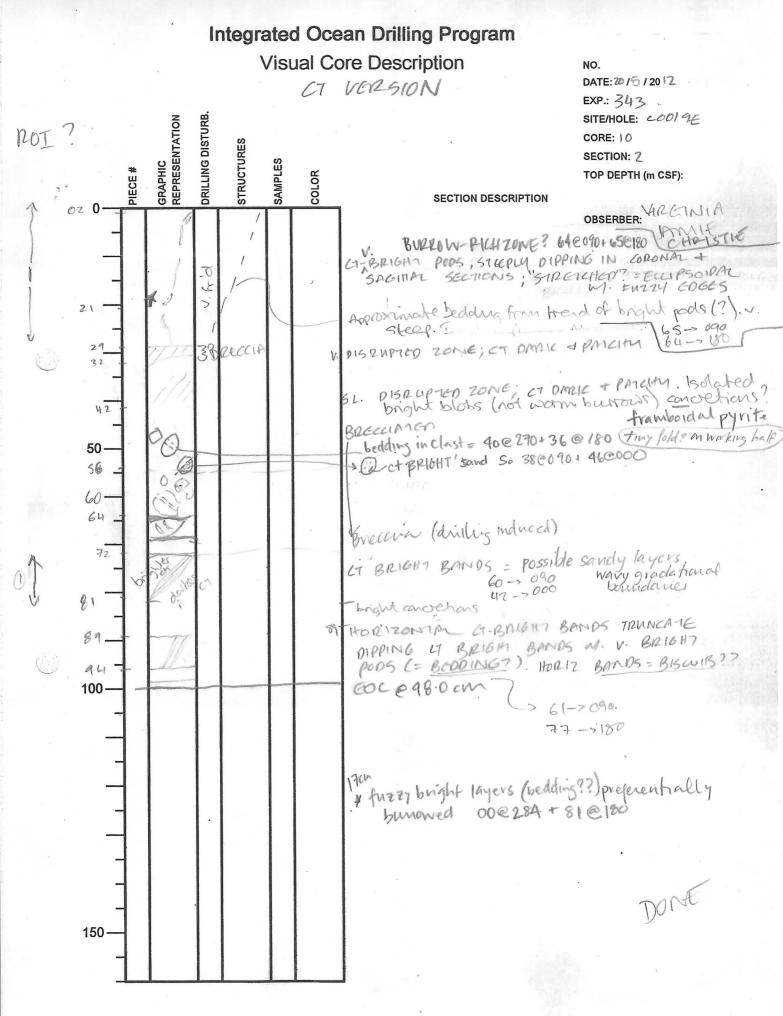
8-32	bichirbation
37-59	bioturb
62-94	bioturs



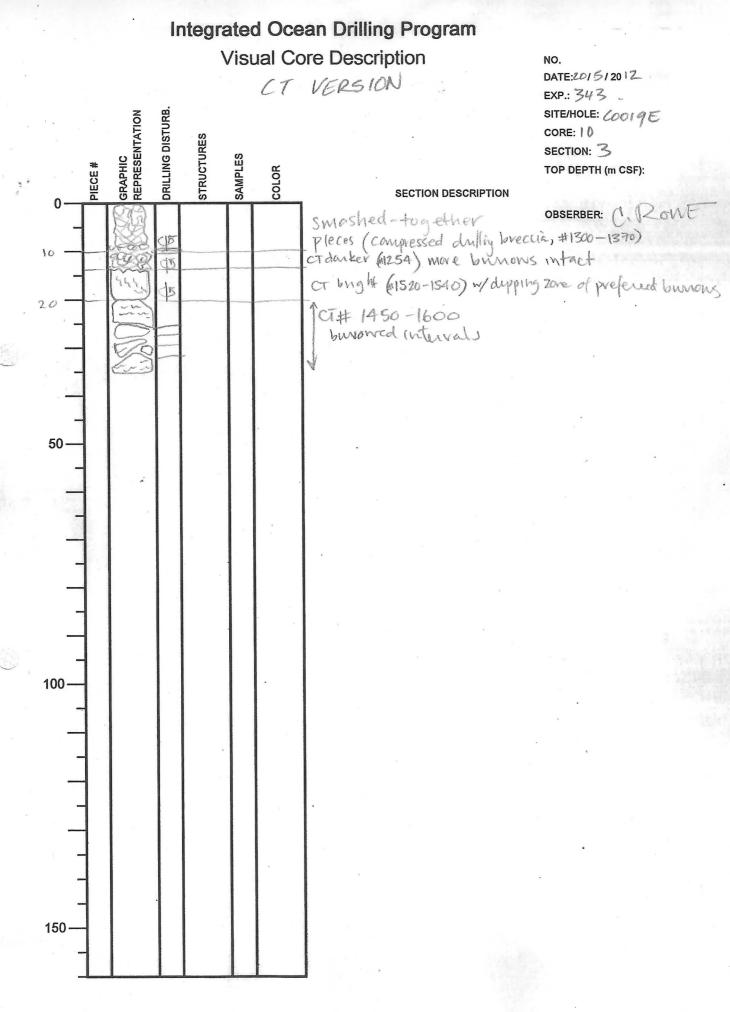


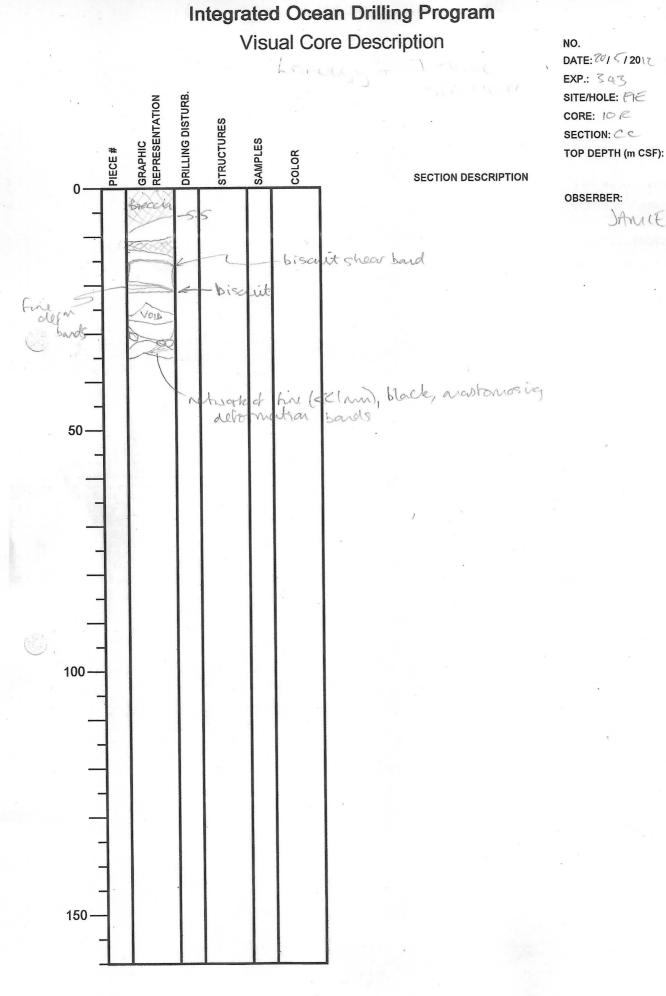




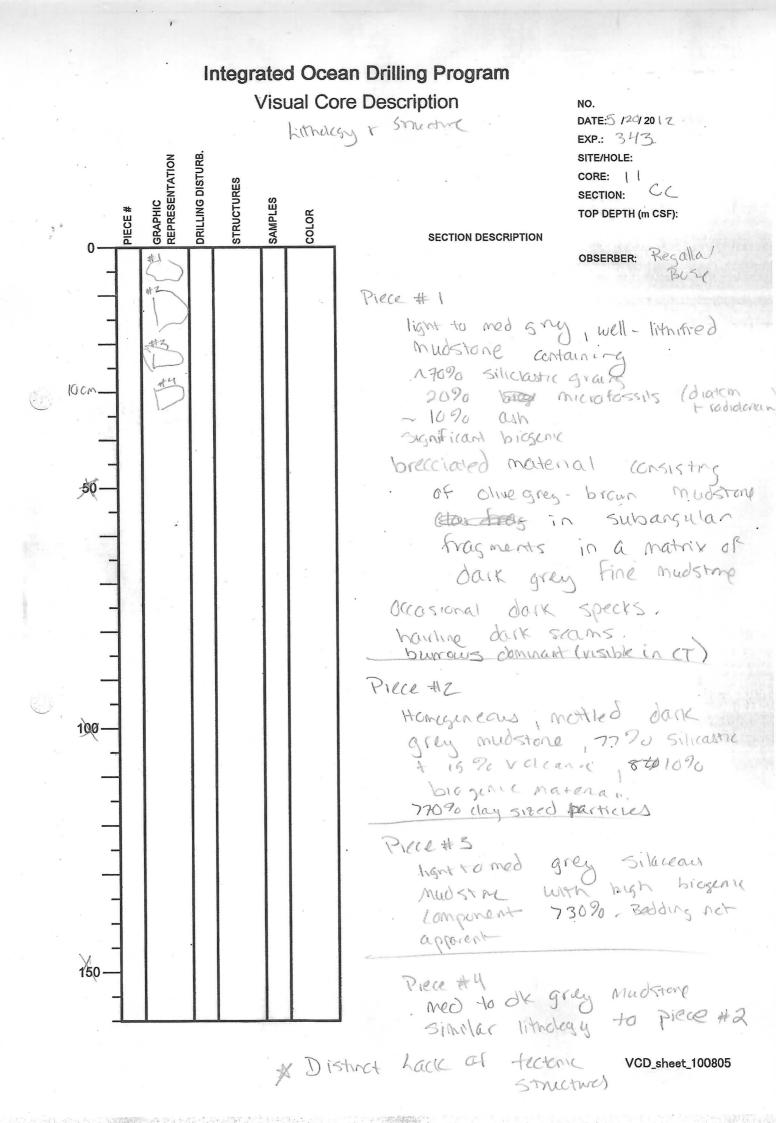


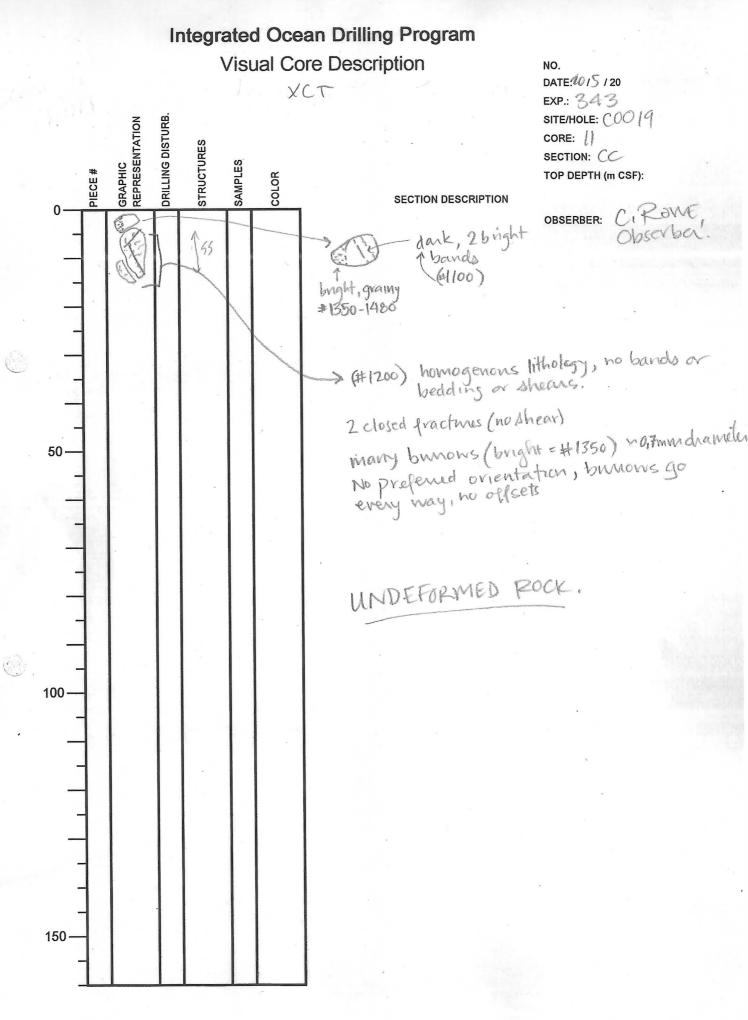
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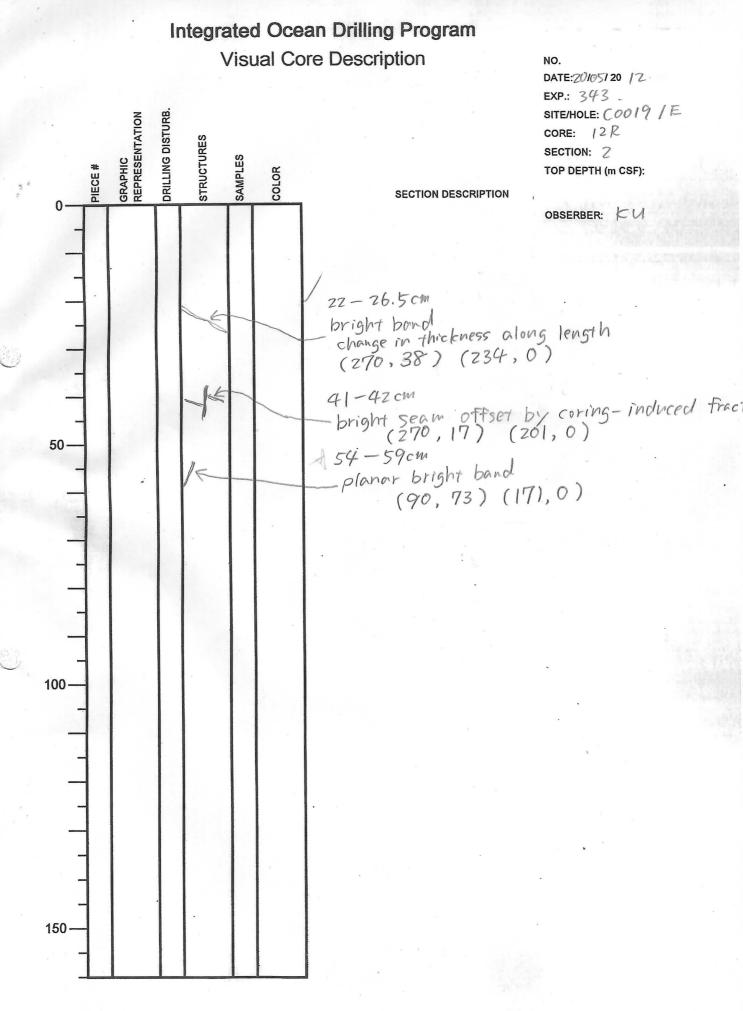


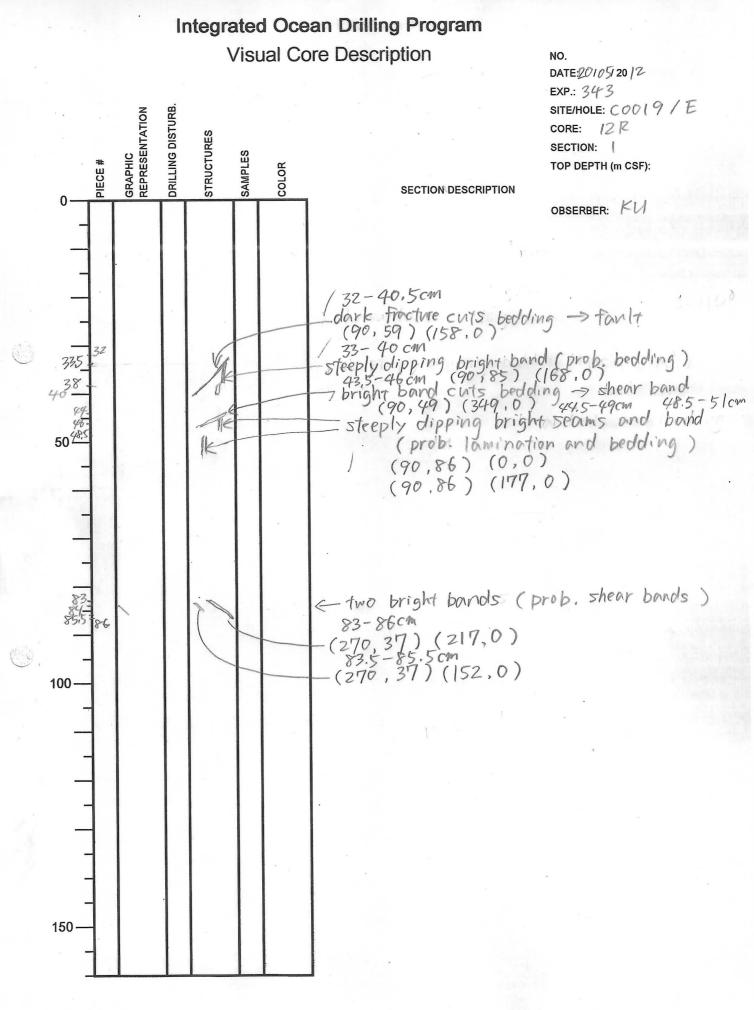


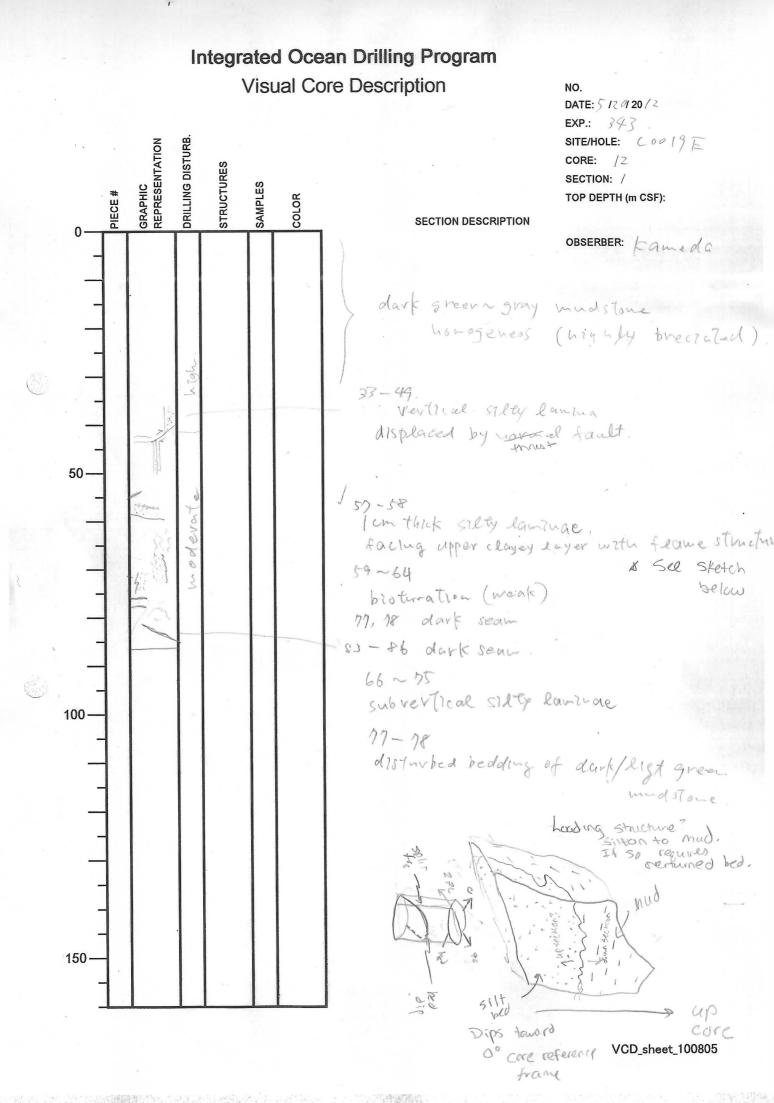
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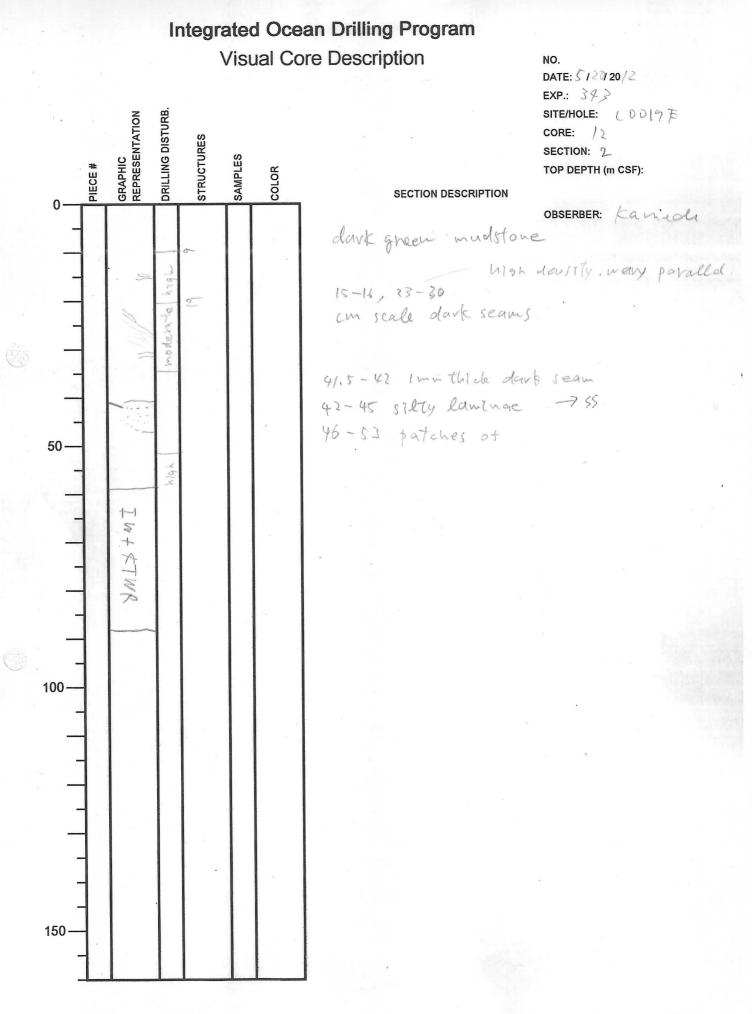


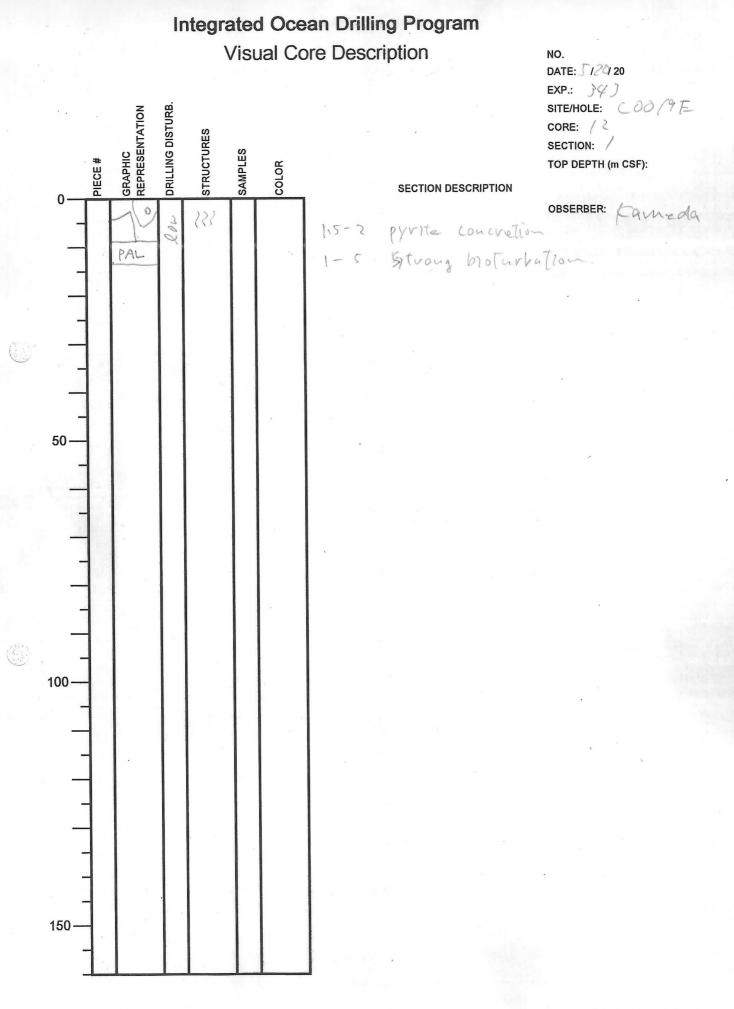


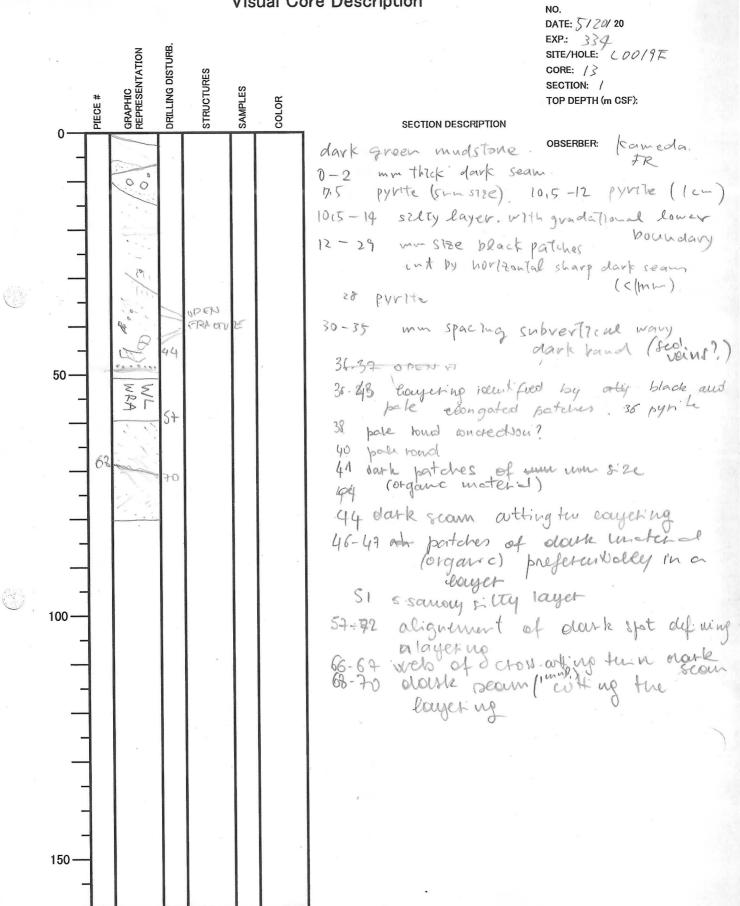


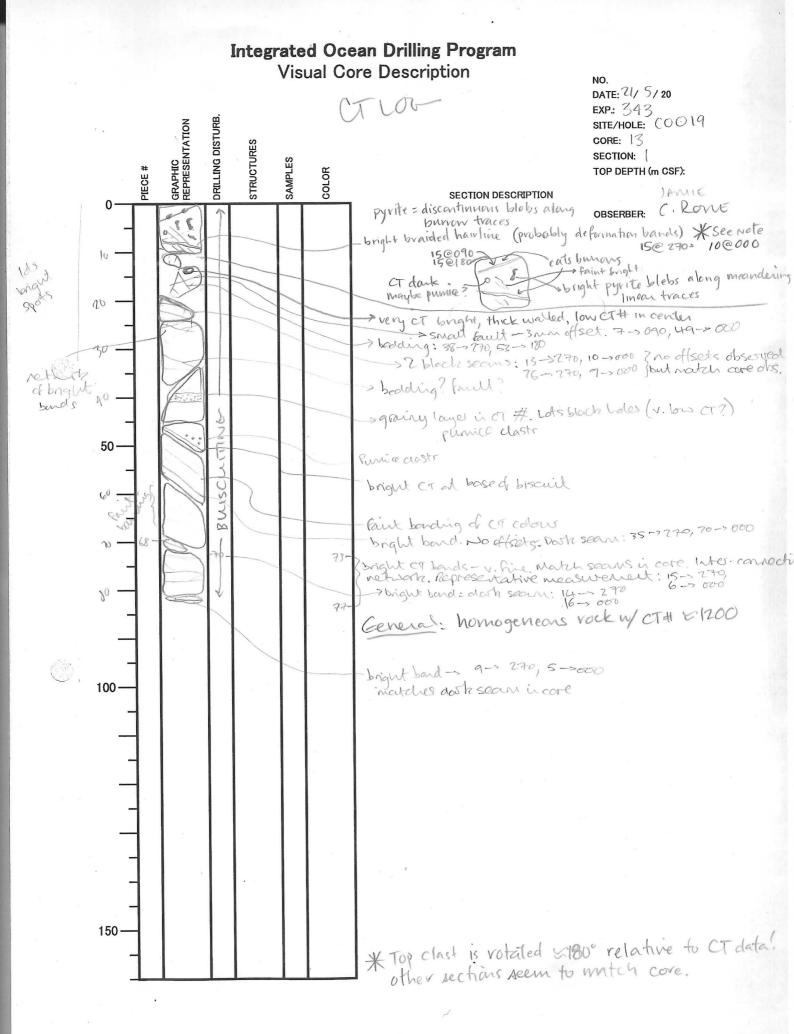


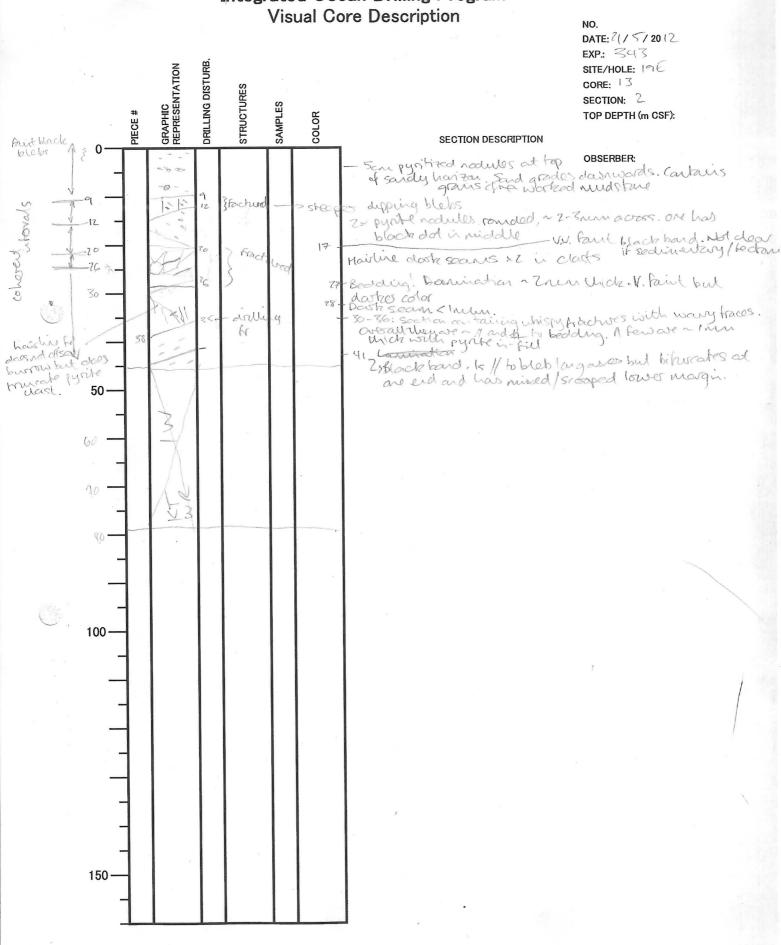






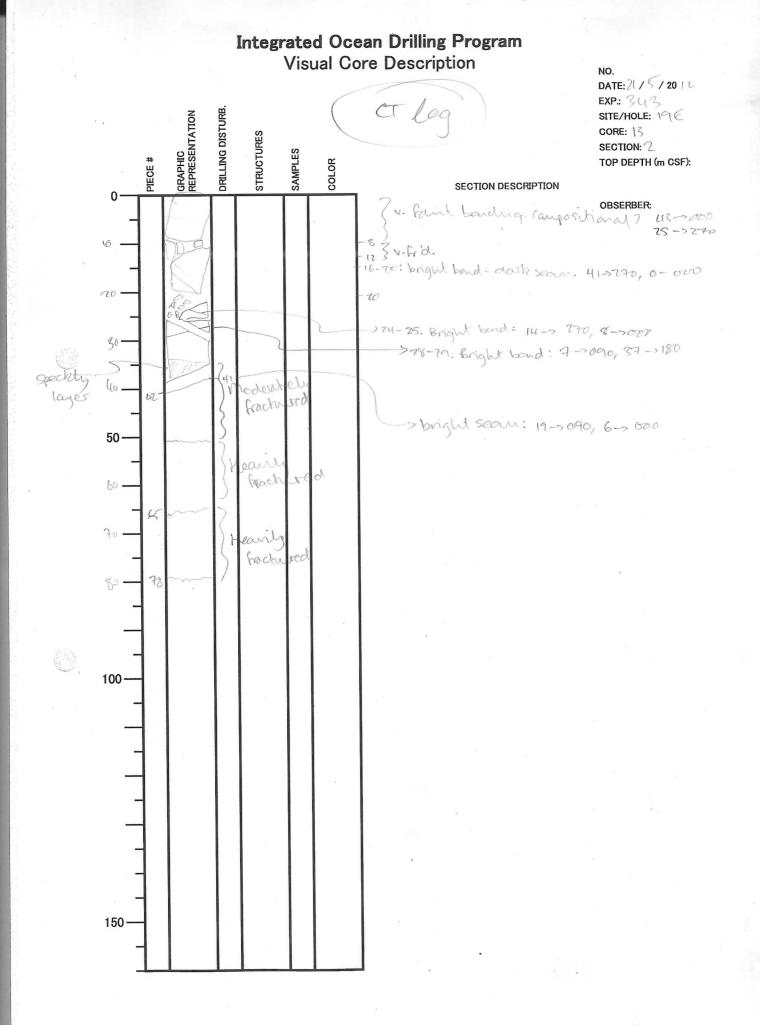


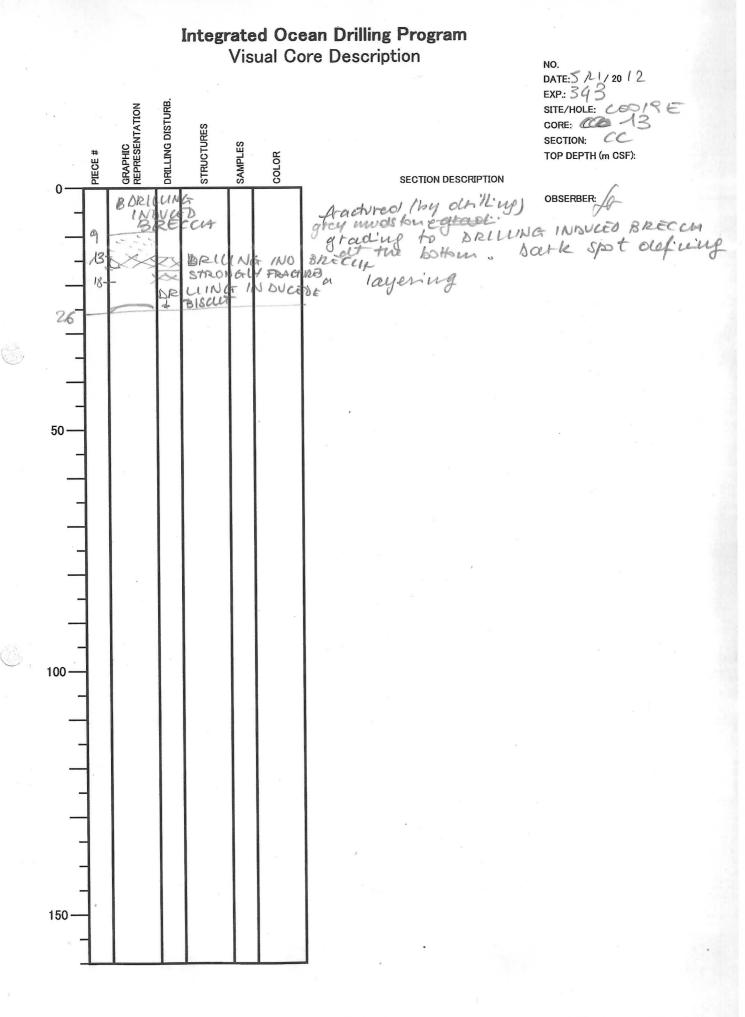




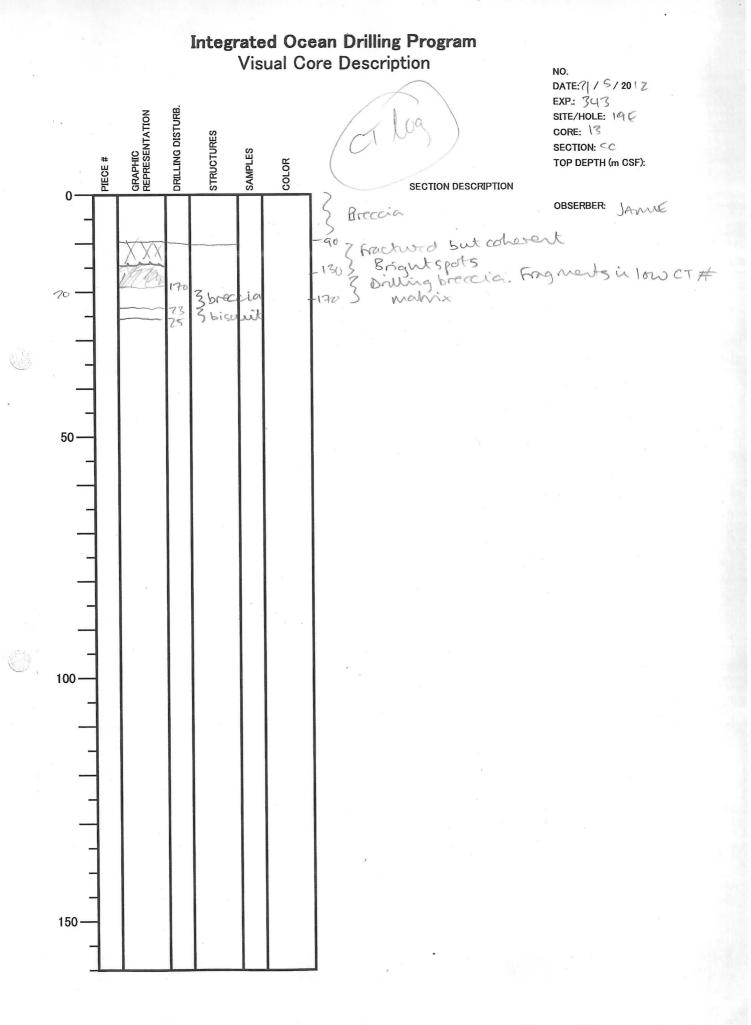
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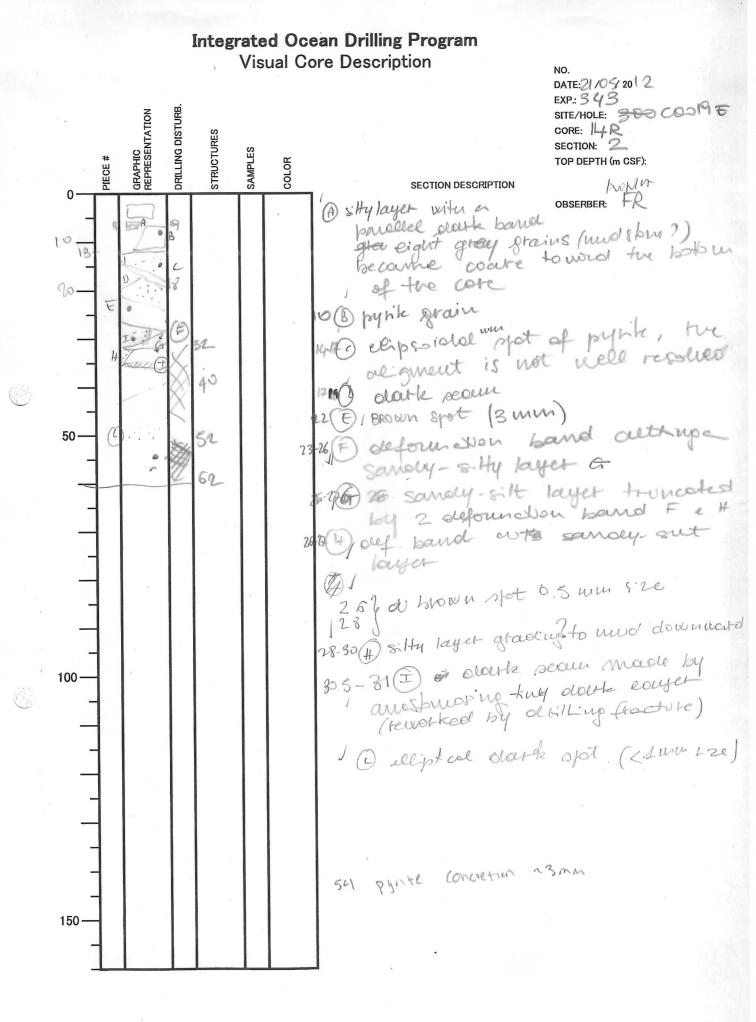
Integrated Ocean Drilling Program



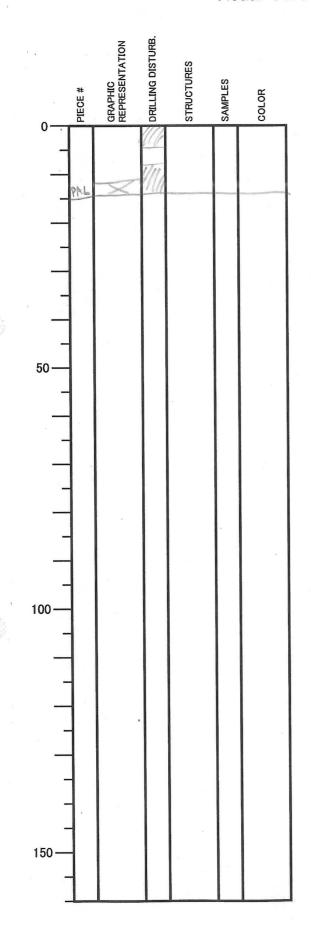


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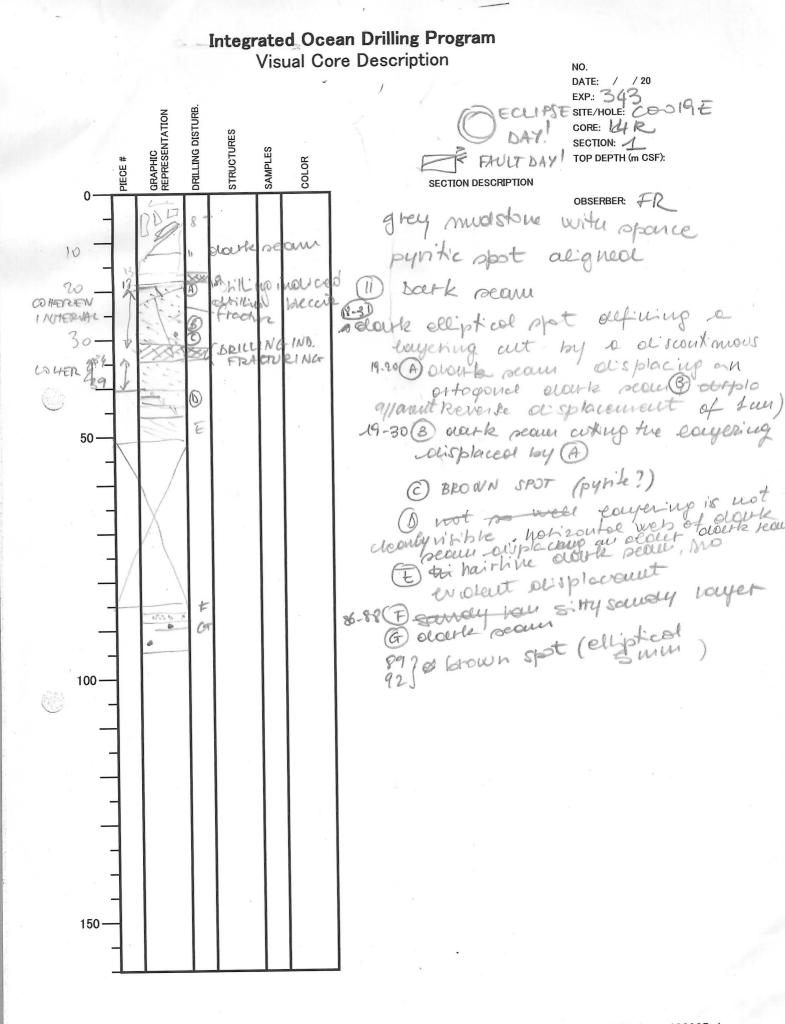
NO. DATE: 5/21/2017EXP: 343SITE/HOLE: COC19ECORE: MR SECTION: CCTOP DEPTH (m CSF):

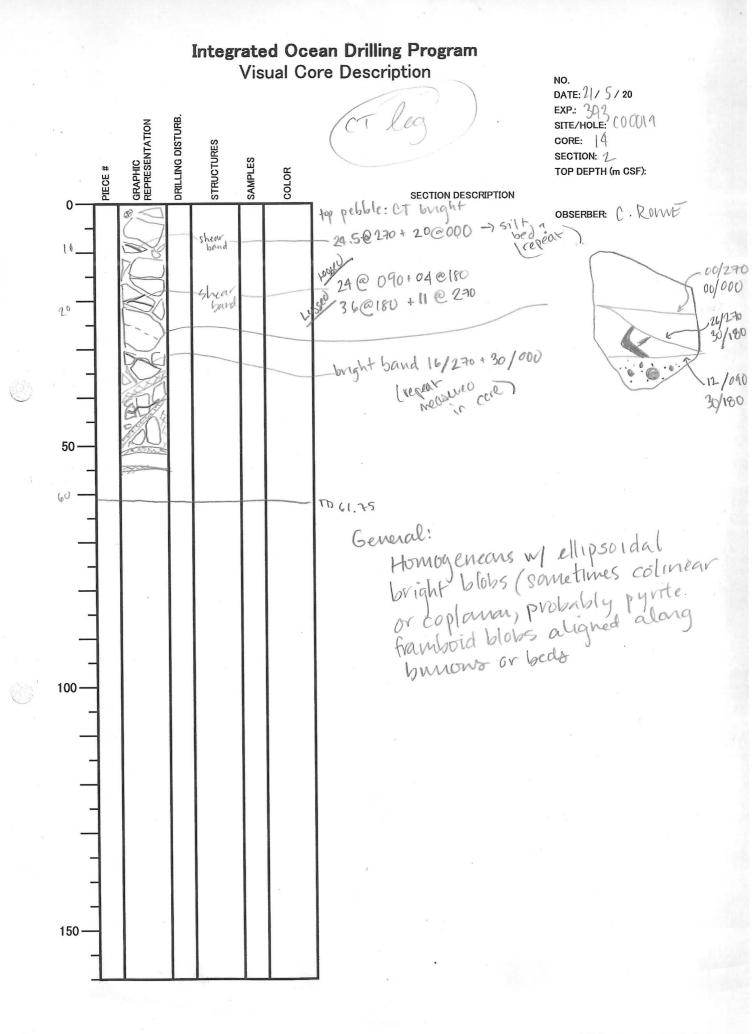
SECTION DESCRIPTION

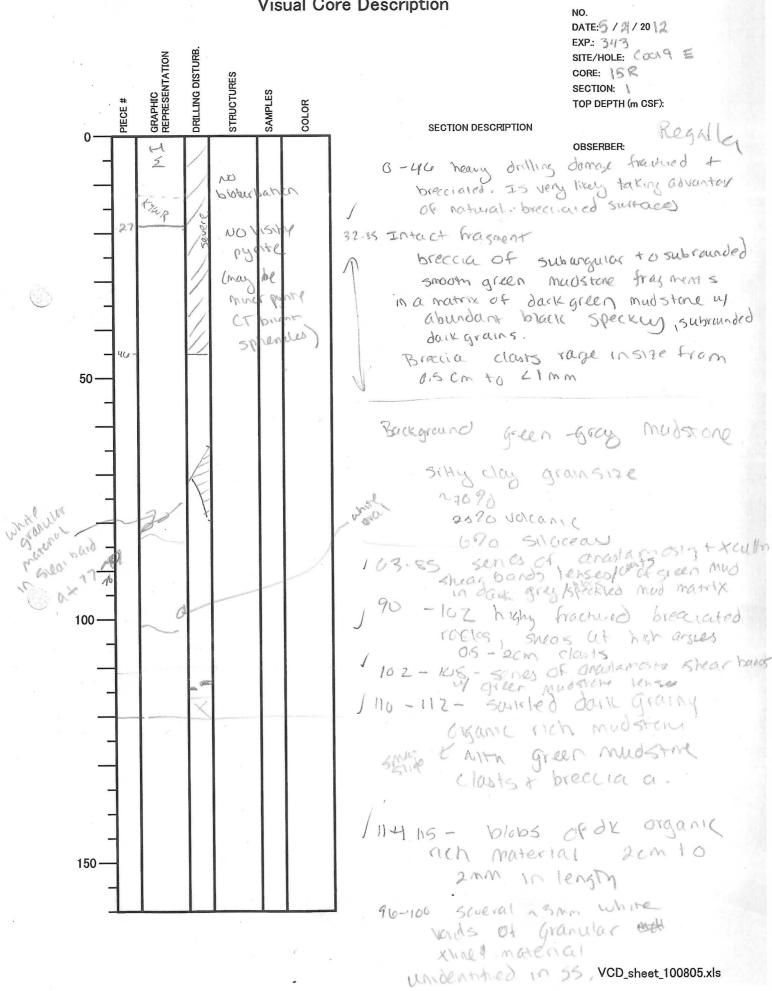
OBSERBER: Legall C

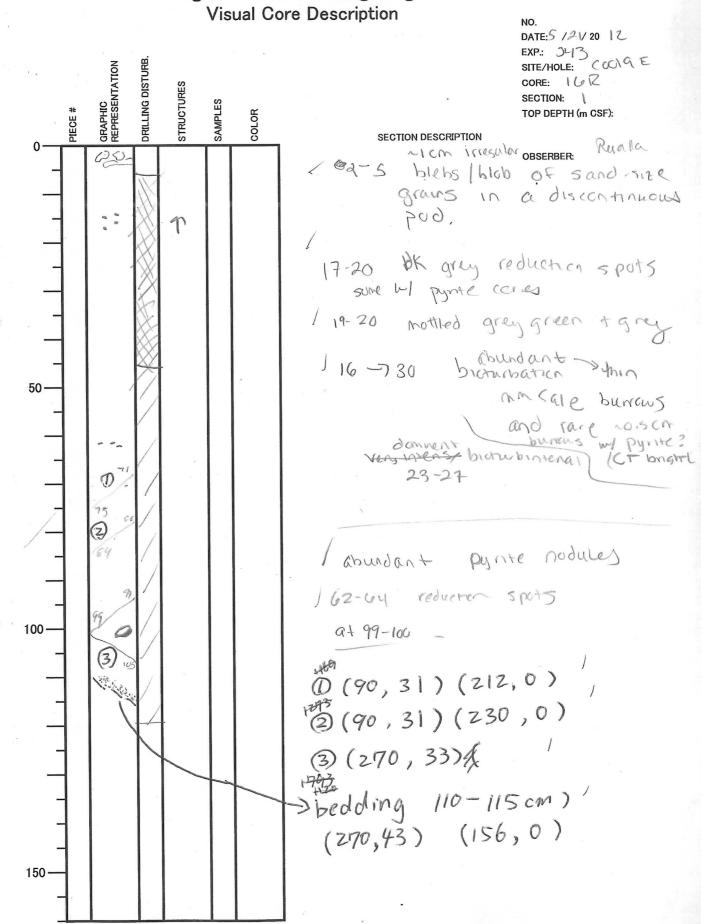
lith same assections 2+3

- coherant chunch 5 - 8 cm d K reduction sports electude v honzontal in corellice < 1 mm diancher

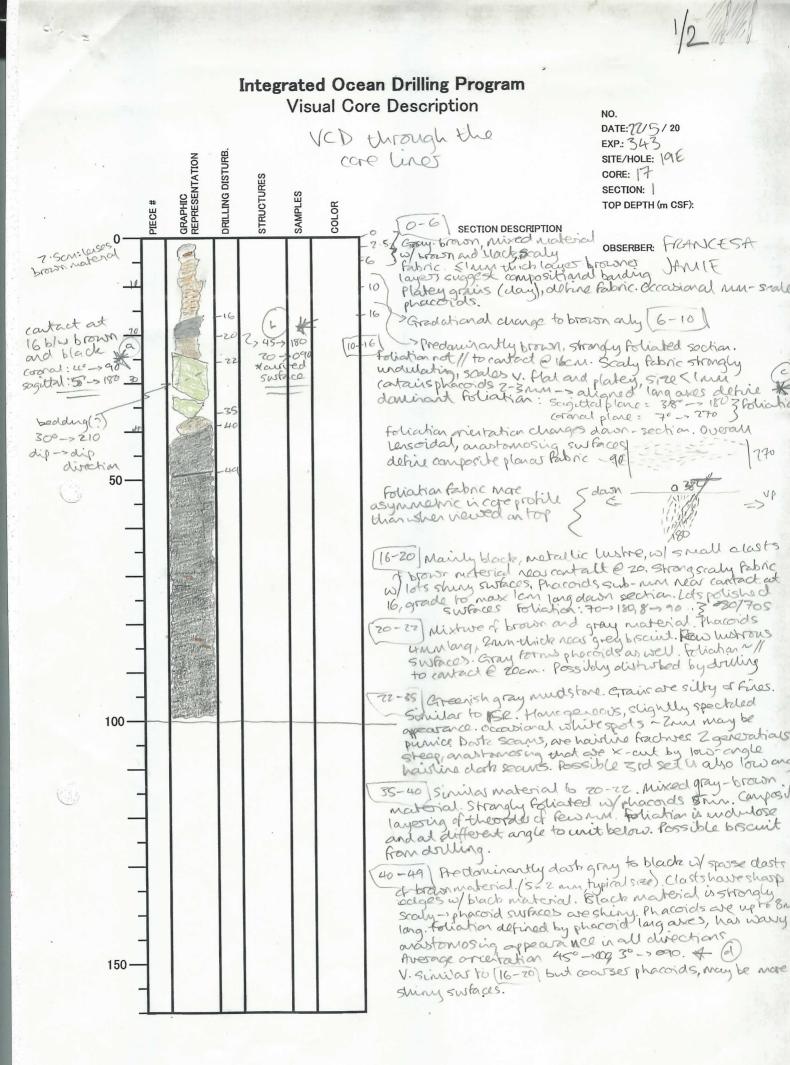








Integrated Ocean Drilling Program



VCD_sheet_100805.xls

22/5/12 343 JATE 22/5/2012 19E 17 EXP 343 SITE /HOLE 19E SEC 1 CORE 17 Dark gray to black material w/ some clasts of brown material (ing to ~ 1.5cm) 49-100 In general, dark material phacoids are bigges than other black layers. I shalles of phacoids: larges, less-deformed lesses cantain less interse foliation. These are ~ O.S to 3 cm is site. Surrounding them, the phacoids are ~ Imm in bands

~0. Som to 3 on wide which are more intersely deformed. Surfaces of all

langs

aligned

pattern evident Sher viewed is all SD. 2 predaminant orientrations of phacoid surfaces. Sketch of phacoid texture: orientations of phacoid long axes are consistent at all scales of phacoid but) aspect ratios change? smalles phacoids are Plotter.

Sized phacoids are shirry and often have slickentires.

* cartact: 49 cm. Defined by about change in phacord size. Large phacoids down section, but proportion of smaller phacoids decreases even though larger phacoidsize is ~ the same.

> 133/40W5 30-270 136/30 (32-180

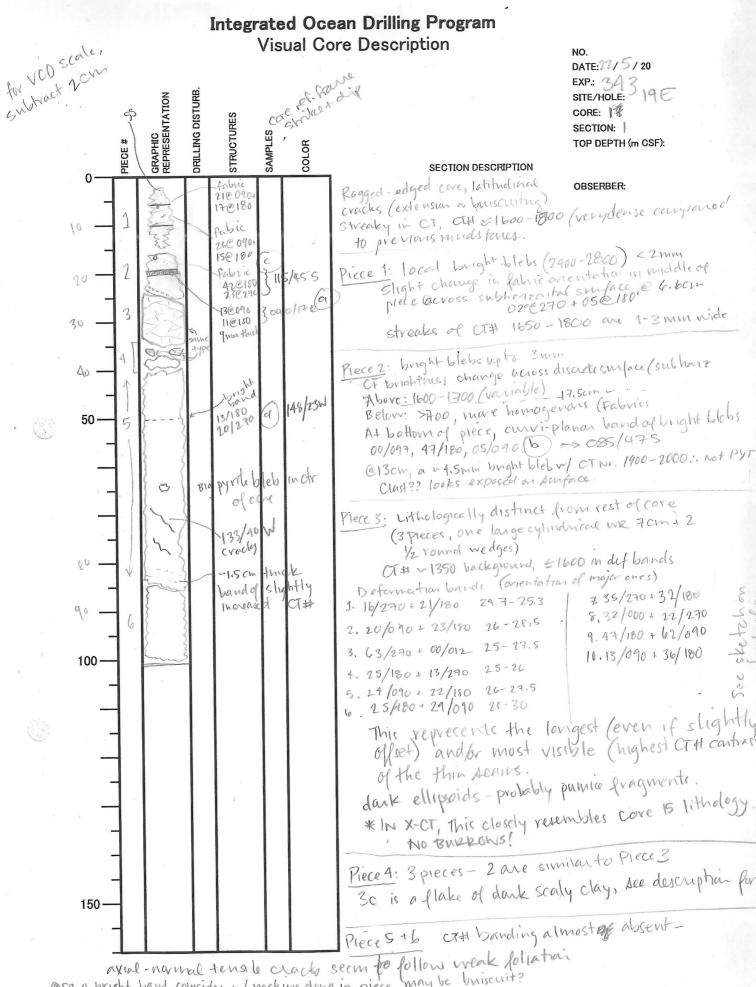
Phacoid langartes: 68-> 180 Sadd

25-> 270

NO.

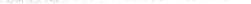
DATE:5 122/20 12 EXP: 343 SITE/HOLE: COOI9E DRILLING DISTURE GRAPHIC REPRESENTATION CORE: 18R STRUCTURES SECTION: \ SAMPLES TOP DEPTH (m CSF): COLOR PIECE # SECTION DESCRIPTION OBSERBER: Regally Dominant Hudlocy some as core 19 but with Few horizons 14 OF LOM Mick Clay beds tew ain pods 20 Seres non - scalley factora bluck & contain lenses 50of brown clayby mudstory in a discontinuicuy black silty Matrix. Olcasicnal concentrations/ matted patances of drak silts Material 0 - 20 probable tectonic Scaley fabric (close up proto of a tacéd) furthur damaged by drilling breaciation faced 5 include both brown clays 100 A chick silty lithologies + facero boundances do not corre necessarily correlate w/ Innologic control focus are pulshed, striand + are CLOD. 120 sometime concugated on a mon scale facoids range in size from mm to 22-25 Dark silly horizon 30-37 bioturb Filled W/ ash 35-40 Carle sitty ped 150 ? until by probable tectomic scales Jabric 91-115 probable scaley fabric. 130.138 probable scaley fabric 138-140 2cm PINK Clay bed 127- non bust clay bed 138 - end probable Coherant block 125 - 131 - coherant. VCD_sheet_100805.xls 6100-5 143 - OSCM Clay bed

2. 医は細胞のないない アイション ちゅうなおし アイバス

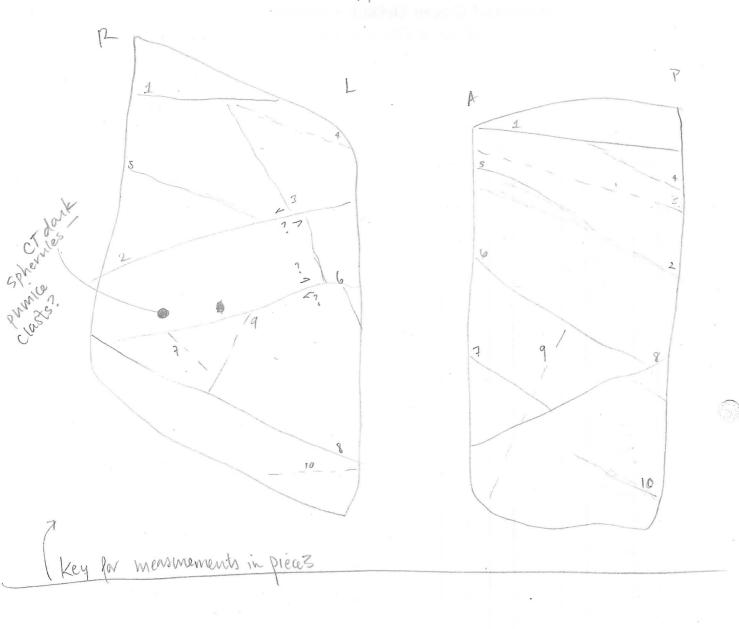


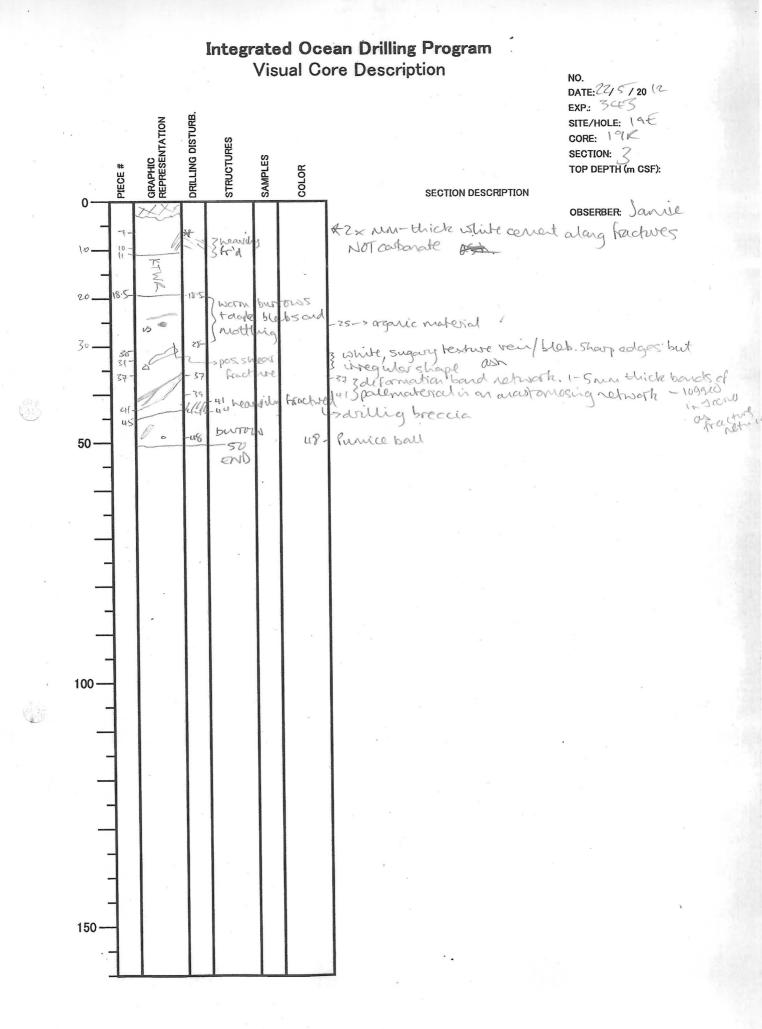
@ so. o bright band coincides w/ necking down in piece, may be buiscuit?

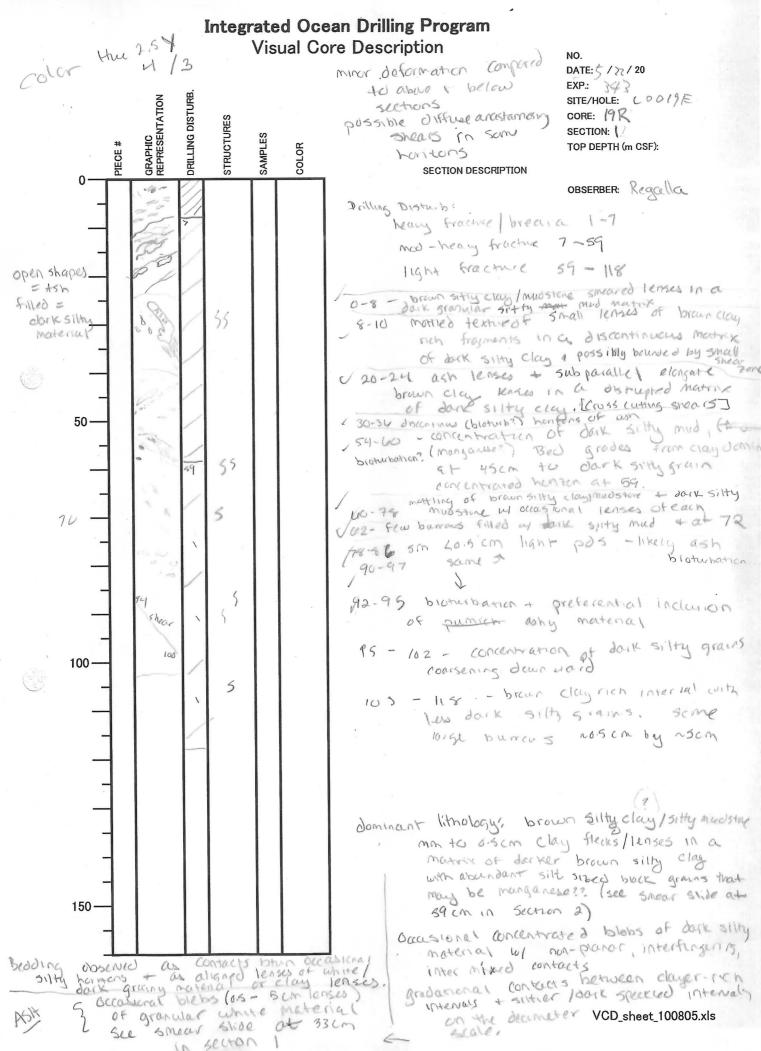
VCD sheet 100805.xls



deformation bands (dark seam equiv?) In clast. apparent offset noted

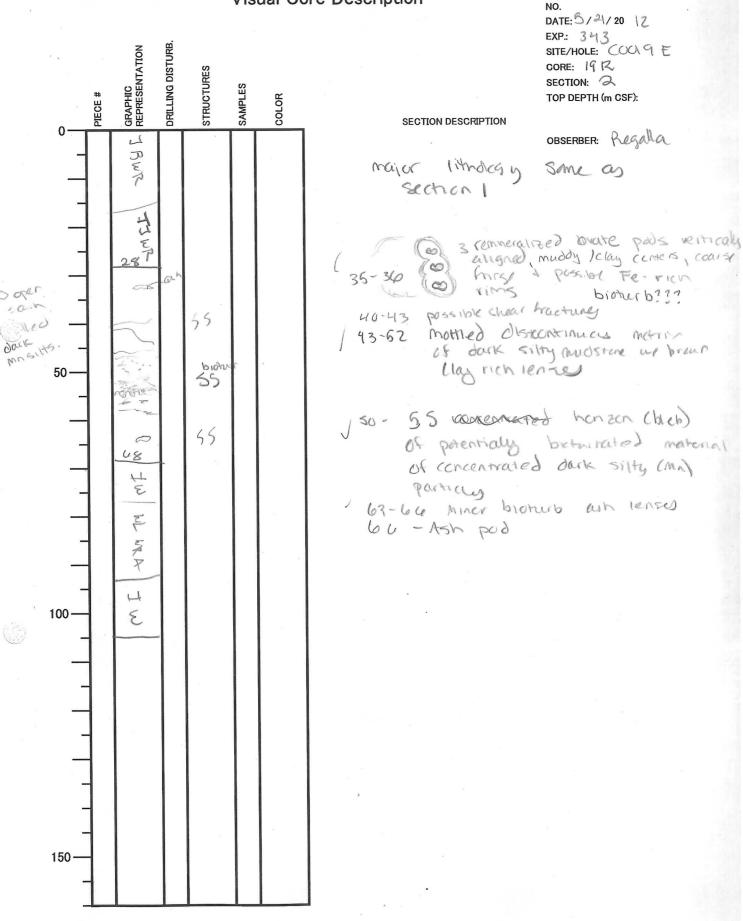


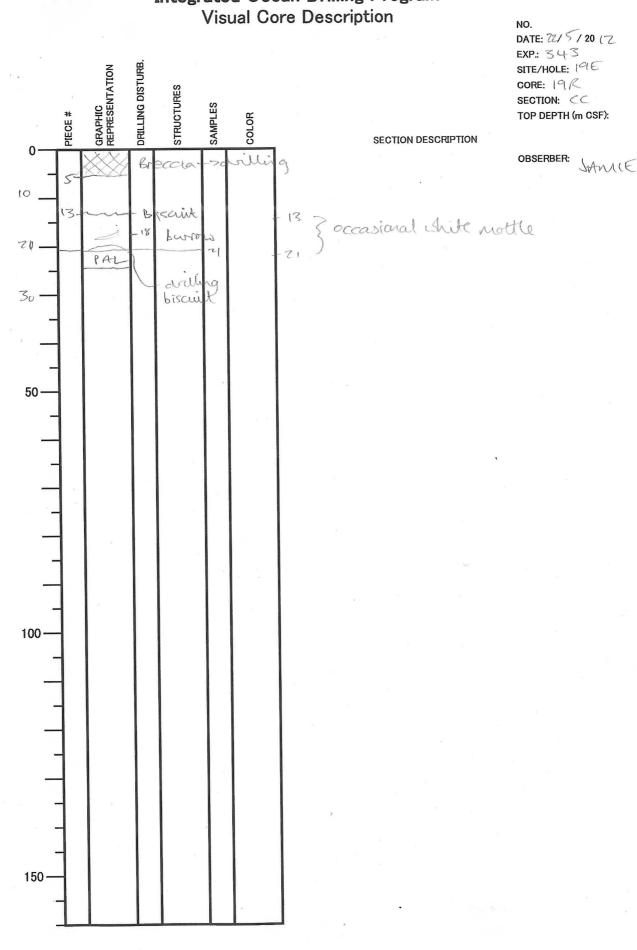




김 사람에서 한 것 같아요. 방송 부가에 다섯 만에 다른 것이 있는 것 같아. 이렇게 말했다. 그는 것이 가지 않는 것이 가지 않는 것이 가지 않는 것이 가지 않는 것이 같아. 이렇게 하는 것이 있는

Augusta and a state





Integrated Ocean Drilling Program

Visual Core Description NO. DATE:5 / 23/ 20 17 EXP: 343 DRILLING DISTURE SITE/HOLE: COOI9E GRAPHIC REPRESENTATION CORE: 20 STRUCTURES SECTION: 2_ SAMPLES COLOR TOP DEPTH (m CSF): PIECE : SECTION DESCRIPTION OBSERBER: 0-41: Howageveous brown mudshone nithout chear beakding one bookding orientation 1354 0 15-4 motor houtine ACI 11:13 dark Deau - 0 22 15-17 Aportse concentrated sportse 41 more concentration sponse 19-524 47.5 dark grande -56 derilling 53 20: Ash spot 53 26+30 doute spot (0.5 mm) filling bothow of lighter material and 50 patches 57-60 moturbated in a 31:-41 57 BISCUT dot olot k 53-157 muddiston matrix B SCILOT 6 RED BROWN GO LADINE of LADINE of brown mudstere 48-53 20 t -73 BISWIT 50: Ash patches 53.5 boundary between brown motstare 000 and laminated material. 80 the contact can be particly revorbed 85 BISCUT by ollilling spoting the 270 side look as phimaty (??). in the hour (ouclear scenta 55100 b ate not in both the upper actus toe waky inunation in the offer block predomini ohillin mispataller et at low angle with the yellow 1 notited lamination in the lower block can more efract contact. be at low angle but there is a derty nuthosion (DRILLING INDUCED) of much nonizzourfely Lawine ed 54-36.5 54-00 118 atternate bedding (ef cm size) ocourts-brown of ranging in coller from to red- brown intercolated to prink layer and and yellow and with eight yellow borned and black earyer 150 BISCUIT affecting the whole section (offer often resealed by the see. cloy VCD_sheet_100805.xls

Integrated Ocean Drilling Program

53-56 BR B RED BROWN at the top and than lamineted & DARK BROWN & BROWN (continethical) 57-60.5 lawin ated yellow to to brownish and more pink meterice: the lighter cook more coarset (see supplie the bottom contact is intruded by brown clong & (powibly dhilling instruded) (possibly ollilling induced) to double brown and intercolated with block layer and 61 - 69 mun trick pick pink layet. the course are disturbed by fracturing (politic set sed deformation or altiling manced deformation (the doct k clocy is still ?) finalle)). the to eighter material are bight brown counce intercoloted to pink halfet is, 69-73 - doishet course. the laminon are undulose at present but possibly affected by biscutting (rescaled!) down lower 73-75 in comme of yellow, light pink dask pink 25 - 85 and block match a from as men to an wire at 18 spot of eight pink material insole a black layet (diagenetic boundary?). the eighter puk nicterial look more granubat 94 : bright opet of green material 100-118: Strongly disturbed by dhilling "chert" eager inter lawned with "softer" matchial light yellow

