

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 23/PC 23APPROX. LOCATION: Pool of lightDATE: 18 April 1990 ID 108northern box canyonWEATHER: CalanWATER DEPTH (m): 3410 mRECORDED BY: TwickellNAVIGATION: GPSPROCESSORS: Welson/Lea/Barber/Paul/Holt

WINCH: _____

MISC. EQUIP: _____

MISC. PROCEDURES: _____

COMMENTS: _____

CORE LOCATION

	Start	On-Bottom	End
Time:	<u>0300</u>	<u>0401</u>	<u>0500 Z</u>
LAT:	<u>25° 20.60' N</u>	<u>25° 20.63' N</u>	<u>25° 20.63' N</u>
LONG:	<u>84° 42.71' W</u>	<u>84° 42.72' W</u>	<u>84° 42.66' W</u>
TD:	<u>GPS fix</u>	<u>GPS fix</u>	
TD:			

CORER/CORE INFORMATION

Piston Core

Trigger Core

Core Head Wt (lbs.):	<u>2800 lb</u>	
Barrel Length (m):	<u>9 m</u>	<u>1 m</u>
Total Penetration (m):	<u>50 cm below outstand</u>	<u>to top of weight</u>
Recovery (m):		<u>20 cm</u>
Flow-in (m):		
Lowering Rate (m/min.):		
Max. Wire Out (m):	<u>3346 m wire out</u>	
Pullout:	<u>4.9</u>	

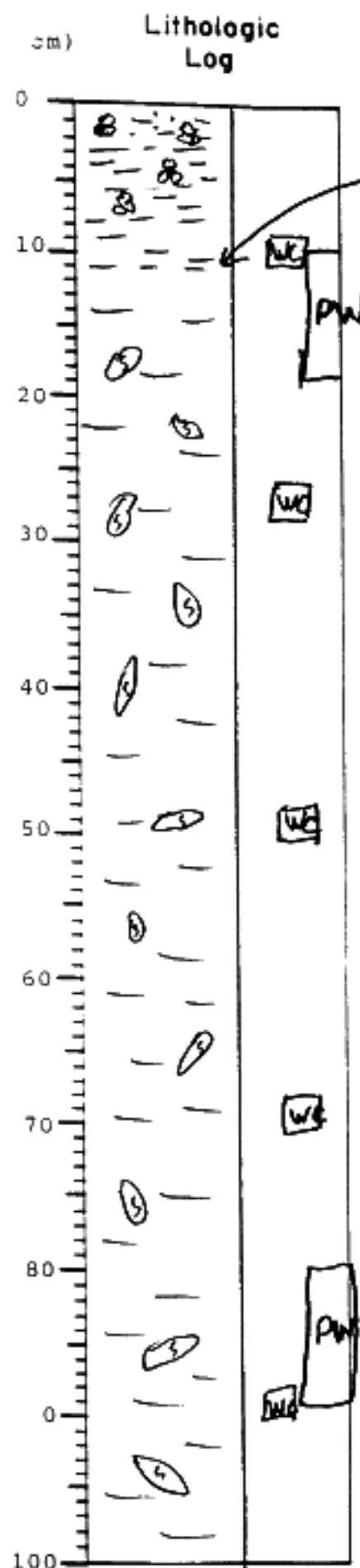
SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
1	<u>0 - 1.63</u>	
2	<u>1.63 - 3.12</u>	
3	<u>3.12 - 4.31</u>	
4	<u>4.31 - 5.86</u>	
5		
6		
7		
8		
9		
10		

+ c/c

TC 23 0 - 0.80

+ c/c

Keweenaw

Sta. _____ Core No. PC 23Detailed Description

Thin iron band, indicated in trigger core.

0-11 Sandy foramin mud. Alternating bands of yellowish gray SY 7/2 and light olive gray SY 6/1. Bands are 0.5-1 cm wide.

11-108 Massive light olive gray clay with many small burrows, infilled with slightly darker gray clay. A few faint colour changes. Include forams... Carbonate.

32-35 Narrow, hollow tubes, vertical, dark walled, seen in working half. < 0.1 cm diam.

VISUAL CORE DESCRIPTION

F-4-90

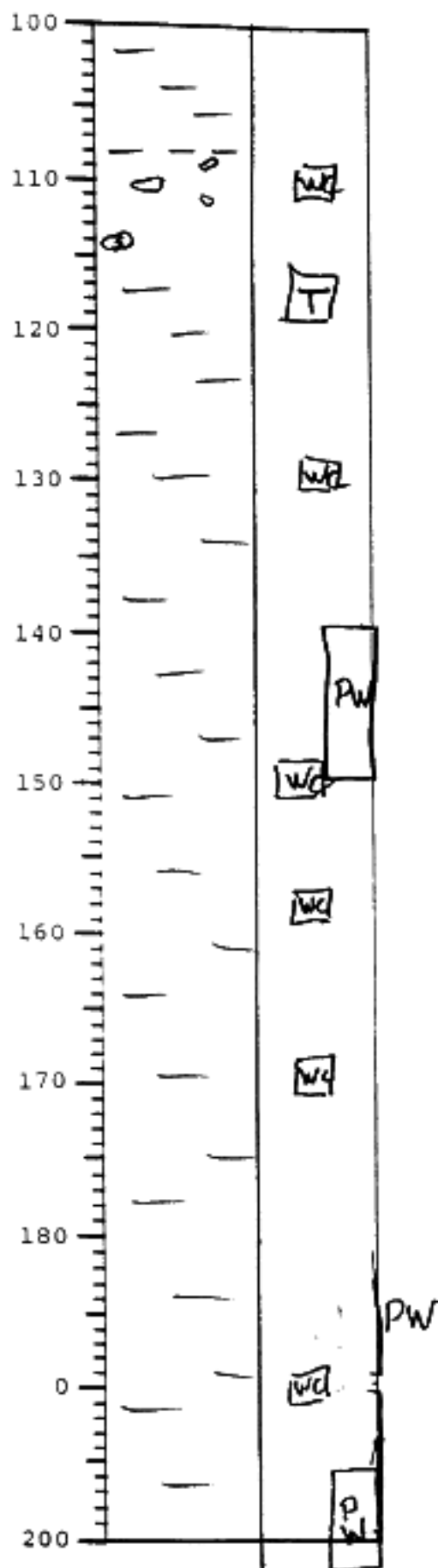
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Kenyon

Sta. _____ Core No. PC 23

Lithologic Log

Detailed Description

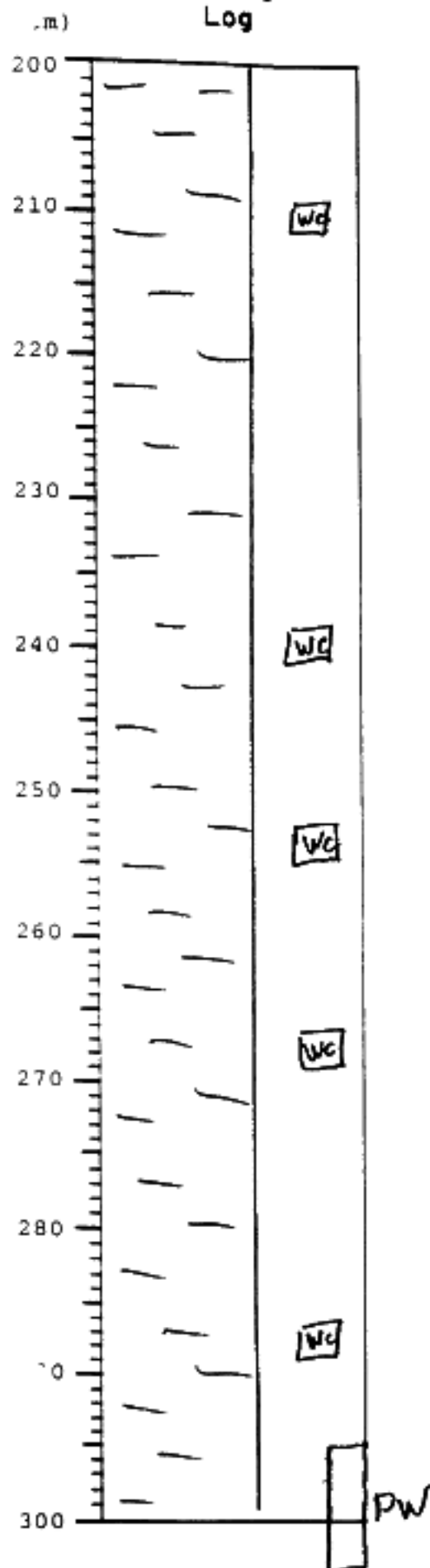


108 Indistinct boundary, pass due to bioturbation.

108-114 Burrows infilled with light carbonate from above

108-end of section . Structureless medium olive gray clay
5 Y 4/2

Kenyan

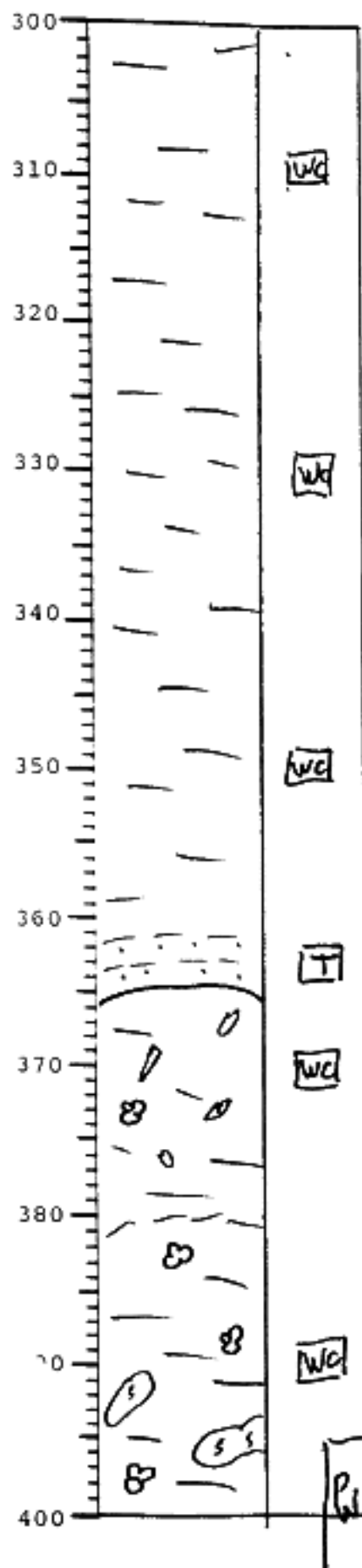
Sta. _____ Core No. PC 23Lithologic
LogDetailed Description

200-300 Structureless, medium olive gray clay.
5 Y 4/2. Sticky.

Kenyon

Sta. _____ Core No. PC 23

1) Lithologic Log

Detailed Description

300-366 Structureless, apart from base (see below)
medium olive gray clay. 5Y 4/2.

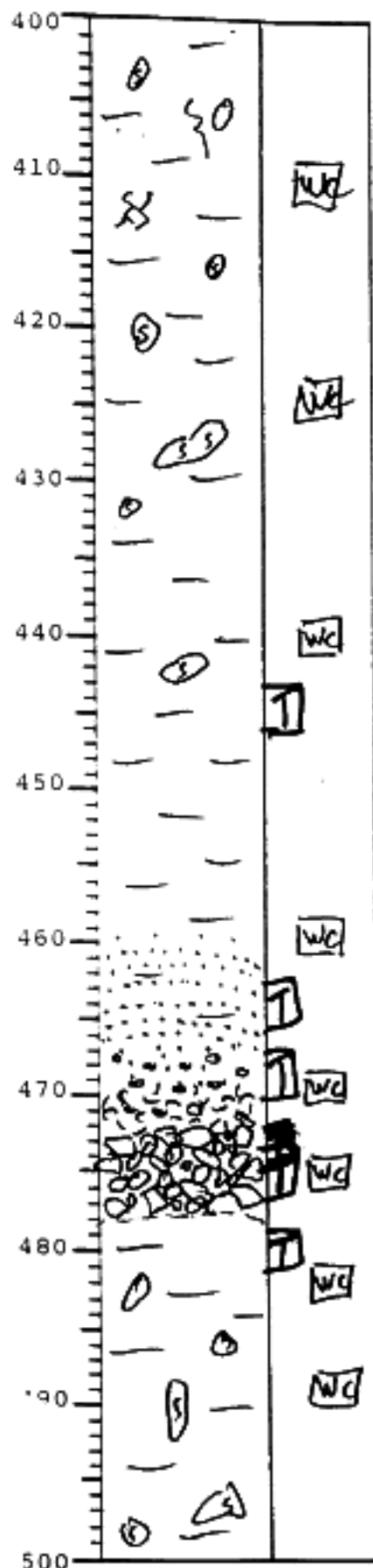
362-366 Faint lamination, some siltiness.

366- Carbonate clay, much paler than above
with forams, shell fragments.
Light olive gray 5Y 6/1
Mottled bands and burrow fills of medium gray
N5 organic material

Kenyon

Sta. _____ Core No. PC 23

a) Lithologic Log

Detailed Description

400-432 Carbonate clay with forams, shell frags.
 Light olive gray SY 6/1.
 Burrows, irregular and c. 1 cm diam. also
 complex branching c. 0.1 cm diam.

432 - 468 ~~Structureless~~ Light olive gray clay SY 6/1
 (no burrows apart from one at 442 cm)

461-468 Sandy mud, grading up into silty mud
 Light olive gray SY 6/1

468-471 Muddy shell sand fining up

471-478 Mud clast conglomerate grading up.
 Clast size c. 1 cm or less. No matrix.
 Various colour of gray.

478-500 Carbonate mud with forams, shell frags.
 Light olive gray SY 6/1.
 Clay filled burrows.

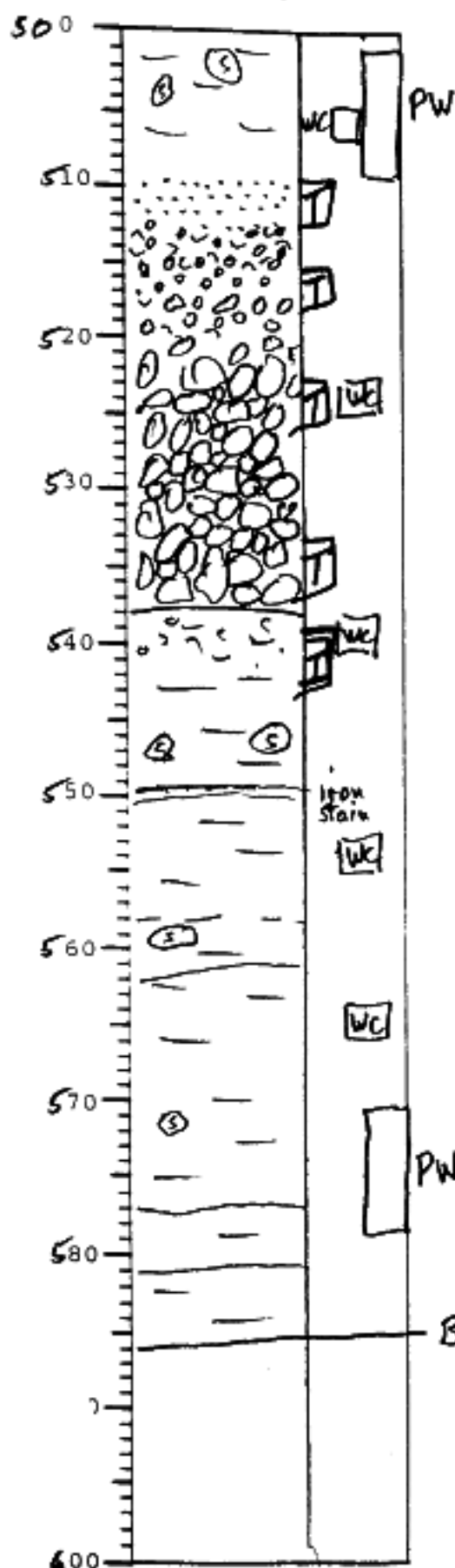
Kenyon

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Sta. _____ Core No. PC 23

m) **Lithologic Log**

Detailed Description



500-510 Carbonate mud with only a few
burrows at 503-504 cm

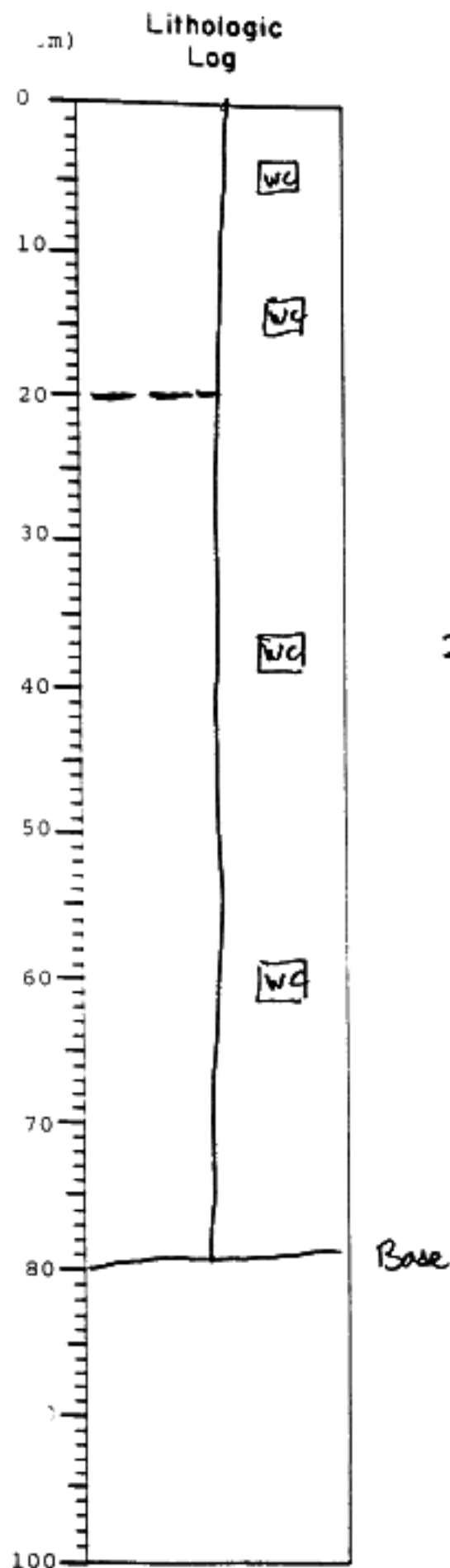
510-515 sandy carbonate mud fining
upwards from shelly, sandy mud
Light olive gray 5Y 6/1

515-538 Mud clast conglomerate. No matrix
apparent. Grading up into shelly sand
Variegated clast colours - darker grey near base.
550 Light dove brown iron stain 5Y 5/6 - not indurated

538-562 Carbonate mud with shelly, sand size grains in top 3 cm. Burrows, forams, throughout. Light olive gray 5Y 6/1 at top light brownish gray below 5YR 6/1

562 - Base Olive gray clay, very little biturbation.
5 Y 4/1 Some faint colour bands

Kauai

Sta. _____ Core No. TC 23Detailed Description

As PC 23 but upper banded section is longer 0 - 22 cm (i.e. less compressed) - note vertical burrows here & all // in PC 22 cm. Thin 0.2 cm undulating iron band ^{again} Light olive brown 5Y 5/6.