

F-4-90

Gulf of Mexico - April 1990

R/V Farnella

STATION/ CORE ID: 37/PC37
 DATE: 24 April 1990 JD 110
 WEATHER: 15-20kt NE breeze
 RECORDED BY: Twichell
 PROCESSORS: _____

APPROX. LOCATION: Large high
backscatter area
 WATER DEPTH (m): 3283 m
 NAVIGATION: Transponder
 WINCH: _____

MISC. EQUIP: Relay 100m above core
 MISC. PROCEDURES: _____

COMMENTS: 1 section with medium sand in the cutter +
catcher. Core only about 1.25m long.

CORE LOCATION

	Start	On-Bottom	End
Time:	<u>0000Z</u>	<u>0103</u>	
LAT:	<u>26° 41.46' N</u>	<u>26° 41.3955' N</u>	
LONG:	<u>85° 10.59' W</u>	<u>85° 10.6190' W</u>	
TD:		<u>32m west of target</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):		
Recovery (m):		<u>76 cm</u>
Flow-in (m):		
Lowering Rate (m/min.):	<u>62 m/min to 3150 m / 20 m/min to bottom</u>	
Max. Wire Out (m):	<u>3215 m</u>	
Pullout:	<u>3.7 hrs 3208 m</u>	

SECT. NO.	INTERVAL (m)	COMMENTS (Disturbance...)
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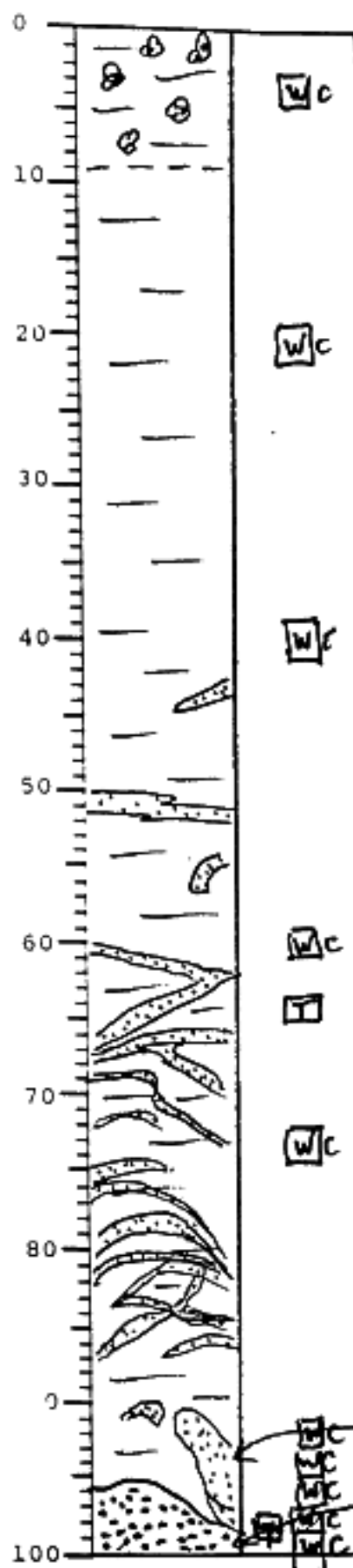
1	<u>0 - 1.08</u>	
2		
3		
4		
5		
6		
7		
8		
9		
10		

TC 37 0 - 0.76
 + clc

Kenyon

Sta. _____

Core No. PC37

Lithologic
LogDetailed Description

0-9 Moderate yellowish brown 10YR 5/4 Muddy foram sand

9-96 Dark yellowish brown 10YR 4/2 clay with possibly fine sand also, slightly less brown clayey silt with irregular distribution in core. The silts are usually continuous across core and are never vertical. Thus this is presumed to be a clay debris flow with a silty matrix.

96-96 Silty component increases downward - note thin silty bands well seen in upper part of trigger core.

96-base of core. Dark yellowish brown fine sand. Irregular upper contact. Coarsening downward.

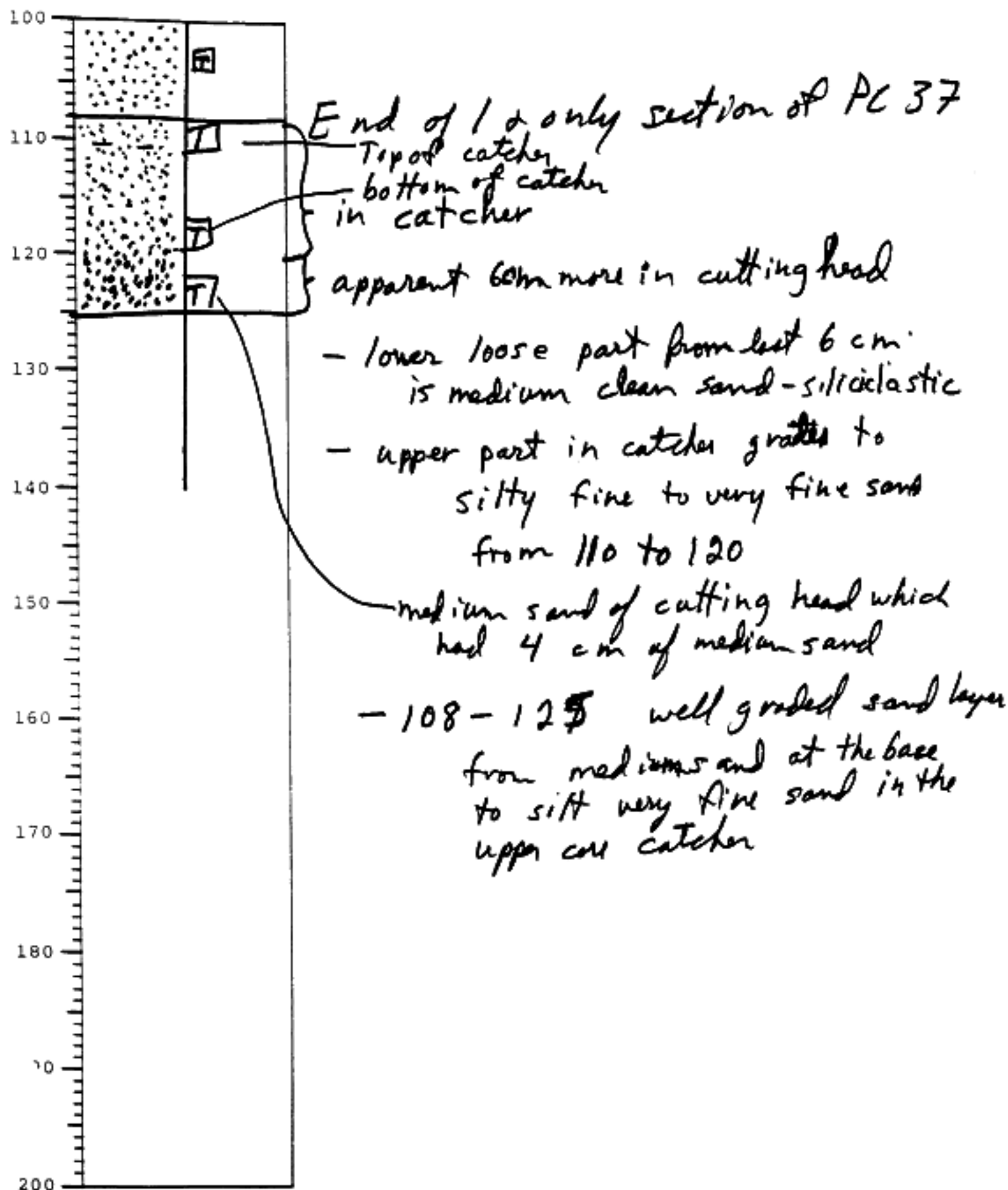
Very fine sand

Fine sand

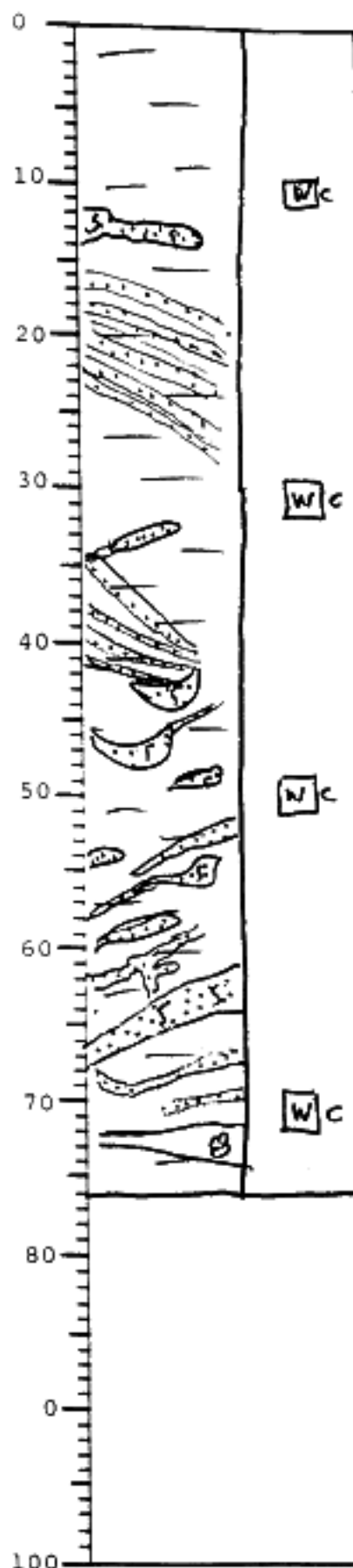
Nelson

Sta. _____ Core No. PC 37

m) Lithologic Log

Detailed Description

Kenyon

Sta. _____ Core No. TC 37cm)
Lithologic
LogDetailed Description

10YR 4/2
0-72 Dark yellowish brown clay with silty bands,
some forams. Also silt filled burrows?

Silty bands show high dips in core

"Burrows" may be one constituent of a clay/silty clay
debris flow.

10YR 5/4

71-73 Moderate yellowish brown clay with forams.

BASE OF CORE

Looks like Holocene material
near bottom of TC thus
repenetration suspected.