

Core desc. on Back

Erosion log sheet

Experiment Name: S3929-6e

Date: 3-22-07

Experiment Start Time (EST): 12:25:00

Operator: Pat D

Motor 1  
NTU 1  
Temp = 12°C

Z<sub>b</sub> (cm)

Bottle No.	Step start time	Bottle switch time	Notes
2.3	12:25:00	12:26:40	No erosion
203	12:56:00	12:56:30	No erosion. Slight bedload transport, 13:10:00 <del>at</del> turned on pumps - function - coils. Was pumps too slow up to this point
200	13:20:00	13:20:15	Resuspension. Diffuse tornado. Pile in center. Some small aggregates
1.7	<del>13:20:00</del>	13:34:00	
209	13:40:00	13:40:15	Major erosion. Massive diffuse tornado.
207		13:50:15	
205	14:00:30	14:00:40	Major erosion - too turbid to see
201		14:10:40	
214	14:20:30	14:20:40	
215		14:30:40	
303	14:40:30	14:40:40	Major erosion
218		14:50:40	
		15:00:40	Stop collecting sediment. Continue eroding
		15:32:40	End

pile collecting in center  
- 30cm/min resulted in slight resuspension for this core  
Z<sub>b</sub> = 0.45  
See back

1  
4.5  
6.0

Smooth slightly hummocky surface

Slight surface slope - 5mm

size core

Sediment was very soft almost fluid mud when coring

No worn tubes

Whole core brown oxid mud

Boat No.	Stop start time	Boat switch time	Notes
201	12:27:00	12:27:00	
202	12:40:00		
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\* note - forgot to turn pumps function on until ~13:10:00 - may want to use this for start time  
 - Very little erosion so probably not important

Core desc. on back

### Erosion log sheet

Motor 2  
NTU 2  
Temp 22°C

Experiment Name: S3929-7e

Date: 3-22-07

Experiment Start Time (EDT): 12:25:00

Operator: Pat D

$\bar{z}_0$  (m)

	Bottle No.	Step start time	Bottle switch time	Notes
0.1	2.7	12:25:00	12:26:40	No erosion
0.5	217	12:56:00	12:56:37	Very slight erosion + bedload transport $\bar{z}_0 \approx 0.45$ . See comment on GE
1.0	220	13:20:00	13:20:15	Resuspension. Tornado. Pile in center. Some small asymmetric eroding
	1.10		13:34:00	
2.0	304	13:40:00	13:40:15	Major erosion. Massive diffuse tornado. Bed scouring
	314		13:50:15	
3.0	223	14:02:30	14:00:40	Erosion - no tornado
	219		14:10:40	Pile in center. Burrow scouring near center $\approx 1 \text{ cm}^2$
4.5	312	14:20:30	14:20:40	
	306		14:30:40	
6.0	307		14:40:40	Major erosion
	302		14:50:40	
			15:00:40	Stop collecting effluent. Continue eroding
			15:32:40	End

pile collating in center

Smooth slightly hummocky surface

Slight surface slope ~ 2mm

wide core

no worm tubes

Very soft brown sediment

Whole core brown oxidized

Erosion log sheet

Experiment Name: 23229-7C

Experiment Start Time (UTC): 11/12/00

Date: 2-25-07

Operator: [illegible]

Notes	Bottle switch time	Stop start time	Bottle No.
	12:20:10	12:20:00	2.7
	12:20:10	12:20:00	2.8
	12:20:10	12:20:00	2.9
	12:20:10	12:20:00	3.0
	12:20:10	12:20:00	3.1
	12:20:10	12:20:00	3.2
	12:20:10	12:20:00	3.3
	12:20:10	12:20:00	3.4
	12:20:10	12:20:00	3.5
	12:20:10	12:20:00	3.6
	12:20:10	12:20:00	3.7
	12:20:10	12:20:00	3.8
	12:20:10	12:20:00	3.9
	12:20:10	12:20:00	4.0
	12:20:10	12:20:00	4.1
	12:20:10	12:20:00	4.2
	12:20:10	12:20:00	4.3
	12:20:10	12:20:00	4.4
	12:20:10	12:20:00	4.5
	12:20:10	12:20:00	4.6
	12:20:10	12:20:00	4.7
	12:20:10	12:20:00	4.8
	12:20:10	12:20:00	4.9
	12:20:10	12:20:00	5.0