

Clay Bank Shoal

3-23-07

S3930

- nice calm sunny, warm day

37° 20.449

18 ft. (Low tide)

76° 37.456

Arrive ~ 7:45 - some trouble getting anchor  
to hold  
~ 60 m NE of tophat buoy

S3930 - 1 eh

805 (EDT)

- 1 ss

- 1 eps

S3930 - 2f

825

- 2 eps

- difficult coring. Same as usual at this site  
Shell layer ~ 15 cm down. Seems to be  
a couple cm soft mud over very firm.

Moved slightly in hopes of easier to core location

37° 20.475

17.7 ft.

845

76° 37.507

~~S3930~~ S3930 - 3 eh

850

- 3 eps - 1 org - 1 lens

- 3 eps

53930-4e

910

-4x - very nice

-4eps

-obvious - slow ebb near surface - slack at bottom

53930-5e

925

-5x - bad surface - dumped

-5eps

-water very turbid at surface - likely in  
Turbidity max

53930-6e

935

-6x

-6eps

53930-7x

950

-7org

-7eps

53930-8f

1015

-8eps

→ VSI cast after 9

Bottom - temp - 10.0

Sal - 10.6

Surface - temp - 10.7

-sal 8.4

53930 - 9F  
- 9eps

1035

53930 - 10 org

1055

11515 - done

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## X-raying Cores from S3930

Clay Bank Shoal

60KUP, 0.16 Sec, Al plate

Blanks

S3930-611

S3930-612

S3930-613

S3930-4x1 → 2 shots same core

S3930-4x2

- very nice core
- nearly level side to side
- level front to back
- thin low density ~~top~~ layer over old dense mud
- added some water to core but no disruption of surface

S3930-6x1

S3930-6x2

- nice core
- water on top
- fairly level side to side
- slight slope front to back

S3930-7x1 →

S3930-7x2

- very nice slab
- nearly level side to side + front to back
- water on surface