53939   5-23-07

Clay Bank Channel

Arrive 1000
Sunny, SE winds 5-10 - some chop

37° 20.831   35 ft. Depth
76° 36.958

53939-1eh   1005 (EDT)
   -1gs
   -1oxy
   -1eps

53939-2f   1020
   -2eps

53939-3eh   1045
   -3org
   -3oxy
   -3eps

53939-4f   1100
   -4eps

Current - slowing near bottom - still pretty fast
near surface

S3939.5 org   1125
      .5 oxy (2)
      .5 eps

S3939.6gs   1140

S3939.7e ⟩ dumped   1145
      .7x
      .7eps

Current slack at bottom, slow at surface
Seabreeze kicked up - getting a bit choppy

YSI Cast   1205

    Bottom Temp = 19.8°C Ⓓ
            Sal = 14.4 ppt

    Top Temp = 21.1°C
            Sal = 11.3 ppt
 - boat swung on anchor ~ slack tide
S3939.8e   1225
    - 8x
    - 8 eps

☆

53939 ~~9e~~ 9e   1240
   ~~9x~~ 9x
   ~~9eps~~ 9eps

Kicked up wind made conditions somewhat rough

53939 10e   1250
   ~~10x~~ dumped
   10 eps

53939 - 11x > dumped   1300
   ~~11 oxy~~
   ~~11eps~~ 11eps

Current beginning to flood near bottom

53939 - 12x   1315
   - 12 oxy
   12 eps

53939 - 13f   1335
   - 13 eps

53939 - 14 recruits, pullets   1355
   14 oxy
   - 14 eps

- We may have swung out into the channel when the wind picked up and current switched
- before swinging sed's soft + oxic for at least 16 cm
- after swinging - thin oxic layer ~2cm over stiff black mud.
- ended in ~40 ft of water
- after leaving site tried a core in ~32ft of water and got thick layer of soft oxic mud on top - 10-15 cm

5-23-07

X-ray Cores from │ S3939 │   CBC

Shooting at ~60 kVP, 0.16 sec, w/ Al plate, no offset

S3939-b17
S3939-b12   } Blanks
S3939-b13

S3939-8x1
     -8x2

- surface nearly level front to back + side to
  side -
- all water drained from core - added water
- slightly disturbed edges

S3939-9x1
     -9x2

- all water drained from core - added more - very
  little disruption of surface
- Some sed stuck to core wall just above sed surface
   - likely from core sliding down during collection or
     handling
- some slope side to side
- slight slope front to back < 1 mm

53939- 12x1
    - 12x2

- ~~Set~~ Slope side to side
- water remains on core - didn't add any
- slight slope front to back ~ 1mm