

YR190520

On board R/V Pintail for SERDP/NT  
Sediment coring. Captain Cristin Wright  
with Grace Massey, Jessie Turner, Danielle  
Torpley, Dennis Kiptoo, Sam Cascalio,  
and Reem Jaber. Location off  
Yorktown Beach. On site @ 10:53 EDT

10872 Heavy Cast @ 10:54 EDT

37.2434  
-76.5187

depth 3.31 m  
temp ave: 22.07  
salinity ave: 15.19

75

10873 ADCP @ anchor - was not rearsiding

10874 Gravity Core @ 11:18 EDT

blow out

10875 Gravity Core @ 11:19 EDT

blow out

moved up an anchor

10876 Gravity Core @ 11:23 EDT

blow out

Moved to near mouth of Indian  
Fields Creek.

6877 Harry Cast @ 11:52 EDT

37.2646  
-76.5399

depth: 5.73  
air temp: 22.06  
air salinity: 15.18

6878 (divers in water 12:20 EDT)

↳ Box corer 12:21 EDT

• GUST

~~MINI~~

• Shear sample (Dennis - small cores ~~red cap~~)

3 cm:  
surface: ~~3000ms~~  
± kPa 1.2

our cores

6 cm: 1.2

6879 ~~Diver core~~ ADCP #

6880 Diver core

• Dennis small core (red cap) 12:29 EDT

6881 Diver core

• Dennis small core (red cap) 12:33 EDT

6882 Diver core first core

• ~~Geost~~ (too much sample) 12:40  
will be Dennis Shear sample

6883 Box corer 12:40

• X-ray

• Slice GSA

Surface: 0.5 kPa

3 cm:

6 cm:

6884 Diver collected core 12:45 EDT  
• GUST

6885 Diver core 12:51 EDT  
• X Ray (too full)

6886 Diver core 12:57 EDT  
• GSA slice

6887 Diver core 1:03 EDT  
• ~~X~~GUST

6888 Diver core 1:09 EDT  
• X Ray

6889 Diver core 1:15 EDT  
• Stress for Dennis

Surface:	0.8 (P)	0.7 kPa (V)	Surface = 10 mm
3 cm:	1.5 kPa (P)	1.3 kPa (V)	
6 cm:	0.9 kPa (P)	1.1 kPa (V)	
9 cm:	0.4 kPa (P)	1.4 kPa (V)	
12 cm:	0.8 kPa (P)	0.7 kPa (V)	

6890 Diver core ~~31:24~~ 1:24 EDT 15 cm: 0.9 (V) 0.5 (P)

• ~~Diver~~ stress for Dennis

Surface:	0.7 kPa (P)	1.1 kPa (V)
3 cm:	1.6 kPa (V)	
6 cm:	1.5 kPa (V)	
9 cm:	1.6 kPa (V)	

~~6889~~ (Divers out of water 1:29 pm EDT)

12 cm:	1.8 kPa (V)
15 cm:	1.3 kPa (V)
18 cm:	1.1

6891 Diver core 1:28 pm EDT 6891  
• Gust

6892 Box Corer 1:39 pm EDT  
~~• X Ray~~  
• Slice GSA

(Divers in water 1:55 pm)  
6893 Diver core 1:45 pm EDT 6893  
• X Ray

6894 Diver core 2:06 pm EDT 6894  
• Slice GSA

6895 Box Corer 2:18 pm EDT 6895  
• X Ray  
• Gust

6896 Box Corer 2:39 pm EDT 6896  
• Gust  
• Stress for Dennis

Surface: 0.1 kPa (P) 0.8 kPa (V)

3 cm: 1.0 kPa (V)

6 cm: 0.8 kPa (V)

~~12~~ 9 cm: 1.1 kPa (V)

12 cm: 1.1 kPa (V)

15 cm: 1.0 kPa (V) 1.1 kPa (P)

18 cm: 0.7 kPa (P) 0.8 (V)

\*Pum  
in N  
of

6897 Hamy cast 2:48 pm EDT

lat 37.2644  
lon -76.5398  
depth 4.0 m  
avg temp. 22.38 °C  
avg sal. 15.06

6898 Gravity Core 2:57 pm EDT  
- for VT

6899 Gravity Core 3:08 pm EDT  
- for VT VIMS

6900 Gravity Core 3:17 pm EDT  
- for VIMS VT

6901 Rodan Side-scan SONAR  
Start 3:31 pm EDT

\*Pump used in NE quadrant of 885

1 <sup>st</sup>	Round of settings	: Default
2 <sup>nd</sup>	" " "	: Charged to 10m from 25m
3 <sup>rd</sup>	" " "	: " " 40m
4 <sup>th</sup>	" " "	: " " 25m & 40% gain from
5 <sup>th</sup>	" " "	: " " 80% gain from 40% 23%
6 <sup>th</sup>	" " "	: " " 0.9 scan speed from 0.225
7 <sup>th</sup>	" " "	: " " Gain changed to 45% from 30%

stop test at 3:55 pm

6902 ADCP transmits at EBB TIDE

BOAT SHOT OFF!!

