

YR180726 Lower York (LY) Mud

On board R/V Heron

Captain Cristin Wright, Crew Grace Massey,
Ryan Moore, Emily Mvshlitz, Dennis Kiptoo (VT),
Matt Florence (VT) on site 8:24

Station 6661 -

6661

CTD Cast

8:31 EDT

37.2463

~~37.2463~~

-76.4439

avg. temp: 26.3°C

depth: 3.69m

avg. salinity: ~~26.548~~

16.24 PSS

6662

ADCP @ anchor

~~YR180726~~

station - 0000

6663

Gravity Core

8:41 EDT

~~Ziptack sample from brassy rise~~

blow out due to shell

moved back anchor 3 m

6664

Gravity core

8:48 EDT

no penetration

6665

Gravity core

8:54 EDT

no penetration

6666

Box core

9:03 EDT

blowout

6670

moving sites to find mud → this site
has hard surface, but first taking
ponar grabs

6671

6667

Ponar grab

9:09 EDT

2 sample containers

CHSD grab → % moisture, grain size
in sand

6672

Drove across from Naval weapons station

6673

6668

CTD cast

9:29 EDT

37.2509

avg. temp: 26.39

-76.5096

avg. salinity: 16.07 PSS

depth: 4.33 m

avg bottom salinity: 17.22 PSS

on site 9:36 EDT

6674

6669

CTD cast

9:37 EDT

37.2506

avg. temp 26.36

-76.5098

avg. salin: 16.31

depth: 5.64 m

max salin: 17.51

min salin: 14.15

6675

6670 Box core 9:44 EDT
~~EH~~ EH \Rightarrow not good \therefore
GUST

6671 ADCP @ anchor
station - 0 - 001

6672 Box core 9:59 EDT
EH
Grain size
blowout

6673 Box core 10:03
Grain size
EH
blowout

not getting samples, pulled forward a few
meters

6674 ADCP
station - 0 - 002

6675 Box core 10:08
EH
Grain size

6676 BOX CORE 10:23 EDT 6682
EH
XRAY
blowout 6683

6677 BOX CORE 10:25 EDT
EH
XRAY
blowout → seaweed bundle

~~6678~~ ~~6678~~ pulled up on anchor a few m 6684

6678 ADCP
station - 0-003

6679 Box core 10:31 EDT
EH
Xray

6680 BOX CORE 10:41 EDT 6685
GUST
Xray

6681 BOX CORE 10:53 EDT 6686
GUST
grain size

6682 ~~ADCP~~ ADCP 11:15 EDT
Station 0-004

6683 Gravity core 11:17 EDT
ziplock sample from nose and whole core
93 cm
~~lotting core~~ 2 bag samples

GPS unplugged 11:23 EDT, 11:40 GPS reconnected

6684 CTD cast 11:26 EDT
37.2506 avg temp: 26.69 C
-76.0595 avg. salin: 15.40
depth: 4.86 m max salin: 16.49
min salin: 15.09

11:37 EDT collecting water

6685 Gravity core 11:39 EDT Finish 11:53 EDT +
77 cm 1 2L bottle
ziplock sample from nose ~~ADCP~~
- nose sample in bag
- 1 section core
for VT

6686 Gravity core 11:56 EDT
ziplock sample from nose
75 cm
1 section core

6687

ADCP

11:57 EDT

station-0-005

ADCP ~~0000~~ Transects

see sheet 6688 - 10/92