

7/10/18 YR180710

VT/SERDP Cruise to Pamunkey River
on R/V Neron with Grace Masey,
Emma Hicks, Nina Stark, Dennis Kiptoo,
Matthew Florence with Jessie Turner as
Captain and Cistin Wright as Captain-
in-training.

6617 Harry cast 9:50 am EDT (1st bend in
lat 37.5486 Pamunkey past
lon -76.8269 the mill)
depth 8.41 m
avg temp 27.66°C
avg salinity 3.49

6618 Harry cast 10:16 am EDT (~ 3 bends up)
lat 37.5522
lon -76.8620
depth 6.51 m
avg temp 28.03°C
avg salinity 0.29

6619 ADCP @ Anchor co-pass connect 31.7
water mode 12 subpages 18
Bottom mode 5 Time between subpages 4
update rate 0.7 Time between ensw-blk 1.5
bin size 10m
bins 60

YR180710_000 → 37° 33.3908 Depth 4.511 m
-76° 51.7324

6620 Box core 10:45 EDT

1 EH cone

1 Gust cone

6620

6621 Box core 10:57 EDT

1 Gust cone

1 Grain size

6621

6621

6622 ADCP

YR180716_0-001.PDO → 37° 33.3876 N ~~37° 33.3876 N~~
-76° 51.7285 W

Depth 4.611 m

6622

Boat speed 0.057 m/s water speed 0.10 m/s 10cm/s 9100

6623 Box core 11:17 EDT

1 EH cone

1 X ray cone

6623

6624 Box core 11:28 EDT

1 Gust cone

1 X ray

6624

6625 Box core 11:41 EDT

1 Grain size

6625

6626 Gravity Core 11:59 EDT
94 cm core length

6627 ADCP YR180710_0_002.PDD *details in
digital
record

6628 ADCP 12:20 pm EDT
YR180710_0_003.PDD
37° 33.3762 N
-76° 51.7341 W
Depth 4.474 m
Water speed 0.262 m s⁻¹ ebb

6629 Harry cast 12:25 pm EDT
37.5563
-76.8623
4.37 m
28.01°C Avg Temp
0.41 Avg Salinity

6630 Gravity Core 12:31 EDT
90 cm Core Length
*zip lock bag is part of core that fell out + tip

6631 Gravity Core 12:43 EDT
92 cm Core depth
*zip lock bag contains sample from tip.



0632 ADCP 12:49 pm EDT

37° 33.3761

-76° 51.7348

4.442 m Depth

Water speed 0.464 m s⁻¹

YR180710_0_004

* unplugged GPS while water was being collected for GUST (12:55 EDT - 1:13 EDT)

0633 Gravity Core 12:59 EDT

* ziplink has mud sample from core tip.

84 cm core length

0634 ADCP + CHIMP TRANSECTS

M. S. D.

ADCP

YR180710_005 LAT Long Depth Left shore looking upstream

Rainy Mechanical problems. GPS interrupted

W