

YR180806

VT/SERDP

Cruise on R/V Peregrination with Sean
Fate as Captain and Grace Massey, Emily
Mushlitz, Dennis Kirpoo, and Jenn Connell as
crew. Vibracore samples downriver of Sarahj Creek
On site at 11:00 EDT
Sandy site

6757

CTD Cast

11:03 EDT

lat: ~~37.2463~~ 37.2463

temp: 28.17

long: -76.4440

avg. salin: 16.38

depth: 3.11 m

min salin: 15.93

max salin: 17.14

6758

CHIRP

11:55 EDT back and forth starboard

6759

CHIRP

12:02 EDT back and forth port

6760

CHIRP

12:06 EDT back and forth bow

finished at 12:09 EDT

6761

Blue drops 12:14-12:16 EDT starboard

6761

Blue drops 12:17-12:21 EDT port

6761

Vibracore

12:34 EDT

20 ft core

top of water 26 cm

deck to top of core 34 cm

top of sediment to top of tube 444 cm

lost 18 cm

6762

vibracore

1:07 EDT (in)

1:17 EDT (out)

20 ft core

top of water ^{to deck} 27 cm

~~deck to top of core~~

top of water to top of core 54 cm

top of sediment to top of core 463 cm

no loss of sediment

Left site @ 1:41 EDT

On site @ 1:55 EDT

Near coast guard

silty

firm cap, then

softer, then got

really hard

6763

CTD

1:59 EDT

lat: 37.2223

temp: 28.51°C

long: -76.4697

avg salin: 15.10

depth: 4.30 m

min salin: 13.91

max salin: 17.52

6764 CHIRP 2:27 EDT back/forth starboard

6765 CHIRP 2:32 EDT back/forth port

didn't do bow b/c current

finished 2:36

6766 Blue drops 2:40 EDT starboard 2:40-2:44 EDT

6767 Blue drops 2:46-2:50 EDT port

6768 Vibracore 3:06 EDT (in)

top water to deck 28 cm

top water to top of tube 49 cm

top sediment to top of core 531 cm

blowout

switching to 30 ft core

6769 vibracore 3:36 EDT (in) 3:47 (out) EDT

top water to deck 28 cm

top water to top of tube 54-55 cm

top sed to top of core 562 cm
no loss of sed

~~6770~~ vibracore 4:08 EDT (in) 4:20 (out) EDT

6770

top water to deck 28 cm

top water to top of tube 53 cm

top sed to top of core 555 cm

left site @ 4:45 pm EDT