June 6-th

CDE - New Market Pond site

Boat preparation lasted until 10:30 am.
Boat departed at 10:30 am.

First location - T22A
too shallow. 12 ft apart, do sample,
so we skip that location.

Second location - T20C
10:55 am.
1 measured depth - 5.5 ft.
ASI penetration depth - 4 ft (try 1)
N - 635566.91 E - 506522.30
tube length - 32 inches

11:20 am - we are trying another one
to get penetration depth more than 4 ft.
water depth - 4.5 ft (try 2)
ASI penetration depth - 4 ft
tube length - 26.5 inches

So try 1 - chemistry
try 2 - geology.

Third location - T17B
11:45 am
Water depth - 6.5 ft
ASI penetration depth - 4 ft
tube length - 44 inches
try 1 - ~~12:15 am~~
~~12:15 am~~ coordinates:
E - 506087.24 N - 635536.86

try 2 - 12:15 pm
Water depth - 6 ft
ASI penetration depth - 3.8 ft
tube length - 30 inches

Since difference between try 1 & 2 is
14 inches, we are trying again.

try 3 - 12:35 pm
Water depth - 6.5 ft
ASI penetration depth - 4 ft
tube length - 39 inches.

So we keep try 3, reject try 2

try 1 - chemistry
try 3 - Geology

Fourth location - T14C

try 1 - 1:30 pm
Coordinates - N - 635537.36
E - 505615.38
Water depth - 7 ft
ASI penetration depth - 6 ft
tube length - 55 inches

try 2 - 1:55 pm
Water depth - same - 7 ft
ASI penetration - 6,5 ft
tube length - 54,5 inches

try 1 - Chemistry
try 2 - Geology

First location - T22A

We are sampling first location again.
Now difference is 11 feet.
try 1 - 2:30 pm
Coordinates: N - 635717.57 E - 506801.64
Water depth - 2 ft
ASI penetration depth - 6 ft
tube length - 60 in

try 2 - 2:55 pm
Water depth - same - 2 ft
ASI penetration depth - 9 ft
tube length - 90 inches

try - 1 - Chemistry
try - 2 - ~~Geology~~ rejected

Since difference between 1 & 2 is 30 inches, we are trying again.

try 3 - 3:15 pm
Water depth - 2,2 ft
ASI penetration depth - 6 ft.
tube length - 55 inches

try 3 - Geology.

So try 1 - Chemistry
try 2 - rejected
try 3 - Geology.

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Sampling remaining 5 locations:
Boat take off 9:10 am

First location: try 1 ✓ T 10 C - 9:25 am
Coordinates: N - 635357.18
E - 505042.31
Water depth - 5.5 ft
ASI penetration depth - 3 ft
tube length - 26.5 in
try 1 - Chemistry.

try 2 - 9:50 am - Geology.
Water depth - 5.5 ft
ASI penetration depth - 2.8 ft
tube length - 23.5 in

Second location - T 7 B
Coordinates: N - 635151.48
E - 504639.45
Water depth - 5 ft
ASI penetration depth - 2.5 ft
tube length - 17.5 in

try 1 - 10:10 am -

try 2 - 10:30 am
water depth - same - 5 ft
ASI penetration depth - 2.7 ft
tube length - 27.5 inches

We are trying third sample to get close 27
try 3 - 10:50 am
Water depth - 5 ft
ASI penetration depth - 2 ft
tube length - 23.5 inches

So, try 1 is repeated.
try - 2 - chemistry
try - 3 - Geology.

Third location - T 4 C
Coordinates: N - 635041.20
E - 504265
Try 1 - 11:05 am chemistry
Water depth - 4.8 ft
ASI penetration depth - 2.2 ft
tube length - 21 inches
Try 2 - 11:20 am - Geology
Wat depth same - ASI penetration depth - 2 ft
tube length - 20.5 in

Fourth location - T3C
Coordinates: N - 635109.09
E - 504032.64

Water depth - 5 ft
ASI penetration depth - 3,2 ft
tube length - 29 inches
try 1 - 11:55 am

try 2 - 12:10 pm
Water depth - same - 5 ft
ASI penetration depth - 3,5 ft
tube length - 37,5 in

difference bet 1 & 2 is 8,5 inches,
We are trying another sample

try 3 - 12:30 pm
Water depth - 5,3 ft
ASI penetration depth - 3,3 ft
tube length - 29 inches.

So, try2 is rejected

try 1 - chemistry
try 3 - Geology

Fifth station - T2A
Coordinates: N - 634899,92
E - 503744.40

Water depth - 7 ft
ASI penetration depth - 5,3 ft
Tube length - 51,5 inches
try 1 - 1:10 pm - chemistry

try 2 - 1:25 pm - Geology
Water depth - 7 ft
ASI - penetration depth - 5.2 ft
Tube length - 44 inch - Geology