#103518ANNA 1976, 77-2

ANNANDALE
Vineyard Sound
Aug 24-Sep 6, 1976 (#76032)

E. Block Island Sound
Sep 27-Oct 2, 1977 (#77035)
C. O'Hara

Sample Log

VERNON ROYAL

SAMPLING LOGBOOK

COMPOSITIONS

#76032

R/V ANNANDALE AUG 24- SEP 6 1976

Vinyard Sound + E. R.I. Sound

#77035 SEP 27-OCT 2, 1977

103518

Tuesday - 24 August 1976

Vibrocore Sampling Program

Vineyard Sound & Eastern Rhode Island Sound

R/V Annandale

O'Hara, Ferebee, Jenni, Briggs, McCane

ALBERT STOCKEL

GARY VANTASSEL CAPT ANNANDALE

STEVE JACKSON ENGR "

BILL FLOHR 1ST MATE "

BOB SPROSS 2ND MATE "

DON MCCANN 3RD MATE "

1ST

Sample Site 19A Vineyard Sound
CORE #4750

ON STATION 0915 38,033.5 - 69,879.7

38,033.6 CAPE RACE } 0930 VIBRO CORER
69,879.9 DANA } OVER BOARD

0957 fix 38,033.5
69,879.7

1013 fix 38,033.6
69,879.7

40

thursday 26 August 1976

Sample Site # 22C
Vineyard Sound

Core # ~~54~~ 97 51

ON STATION 1042
38,079.6
69,872.9

1049 COMMENCE CORING
38,079.6
69,873.0

~~KS~~

1528 commence coring # ~~15~~ 97 51

1532 FIX
38,079.7
69,872.7

TH AUG 27

SITE 14A Return
CORE 4750 B

ON STATION + CORING

1229 IN 38 10 33.7
1256 OUT 69 8 80.1

38 feet penetration
~~22~~ 24 feet recovery
mostly clay - some sand at top + bottom
glacial lake bottom deposits

SITE 22C
CORE 4751 [redacted]

1437 ON STATION H_2O depth ~65 feet
38, 078.9
69, 872.5

1450 38, 079.0
69, 872.5
23 feet penetration

SITE 22E
CORE # 9752

1559 ON STATION
38, 120.8
69, 873.0

H_2O depth ~ 83 feet

1615 FIX
38, 120.7
69, 873.1

16 feet penetration – hit a rock?
Lost core barrel + catcher

SAT 28 AUG 76

OHARA, OLDALE, FERREDGE, LEWIS, MCLANE USGS

SITE 11A — 3 NM due west of Long Island Vineyard Sound

CORE 4753

ON STATION

↓

1110 FIX

38, 138.9

69, 880.3

H_2O Depth 105 feet

Qm + Qf1

1155 FIX 38, 137.8 69, 880.1

PENETRATION 23.5 feet

RECOVERY 20.0 feet

SITE 7E
CORE 4754

ON STATION
FIX 1350
38,154.4 – 69,887.0

H_2O depth 105 feet

1415
38,154.0 -69,887.0

PENETRATION 38 feet
RECOVERY 33 feet

Sunday Aug 29

converted to a 30' rig

TUESDAY 31 AUG 76 R/V ANNANDALE

O'HARA, OLPALE, FERREDEE, MCLANE - USGS

0815 Depart WHOI Dock
ON ROUTE TO RESUME VIBROCORING
SITE 6D NW of Norman Sand

1021 ON STATION ~90' H_2O
38/192.2 - 69/897.4

1033 FIX ~~Run 1~~
38/192.6 - 69/897.7 - 5 feet pene?
Run 1 ~ 8 feet rec.

RUN 2
~~TB~~ 1112 FIX
38/192.4
69/897.7
~6 feet pene
~2 feet rec.
Bent lower 10' barrel section

SITE 10 D
CORE 4756

ON STATION
1217
38, 189.7 - 69, 906.9
H_2O depth - 105 fa

SITE 27A
CORE 4757

ON STATION
1308
38,201.9 69,900.3

H_2O Depth 125 feet

1315 Fix
38,201.8 69,900.3

SITE 10 F
CORE 4758

ON STATION
1418
38,189.9 69,896.6

H_2O Depth 118 feet
trouble with system

CORING 1459
FIX 38,189.7 69,894.1

2nd attempt
1446 FIX 38,189.8
69,894.8
Repositioning vessel over site (2nd attempt)
~~Ships set 1/2 NM to NW~~ NOT THE CASE
DANA OFF TRACE

9758

2nd attempt + site 10F

1825 fix 38, 189.6
69, 896.6

SITE 10G
CORE #4759

ON STATION 1911
FIX 38/190.2
69/883.7

H_2O depth 106 feet

ABORTED

HEAVY SEAS

will try tomorrow

OVERNIGHT
MENEMSHA BIGHT

SEPT 1, 1976
WEDNESDAY

O'HARA, OLOALE
FERRESIER, MCLANE

0610 DEPART MENEMSHA BIGHT
ON ROUTE TO CORING SITE
10G ADJUTED YESTERDAY DUE TO
HEAVY SEAS

SITE 10G
CORE 4759
ON STATION 0741
38,190.2 69,883.6
H_2O depth 110 feet

0810 FIX
38,190.2
69,883.7

SITE 11D
CORE 4760

ON STATION
0912 38,226.0 69,880.7

H_2O depth 1251

~~89~~ 1001 FIX
38,225.5
69,880.2

SITE 23A
CORE #4761

ON STATION
1115
38,273.4
69,887.1

H_2O depth 140 fm

1214 FIX

38,273.3
69,887.0

LORAN - C
COORDINATES

VIBROCORE RIG

CAPE RACE 38,273.3 usec

DANA 69,887.1 usec

NANTUCKET 49,539.2 usec

SUN SEPT 5, 1976

O'HARA, OLDALE, FERREDEE, MCLANE

0630 Pick up gear Ferrs

0645 Gear aboard Annandale

0710 Depart Marine Fisheries Pier
on route ERI sound site 7A

ON STATION

1030 38,154.3 69,830.9

SITE 7A

CORE 4762

H_2O depth 48 feet

1152 Fix 38,154.2 69,830.7

SITE 7C
CORE 4763

ON STATION

1328

38,153.8 / 69,856.9 usec

H_2O depth 100 feet

ABORTED - HEAVY SWELLS

ON ROUTE NASHAWENA BIGHT
FOR THE NIGHT

MON 6 SEPT 76

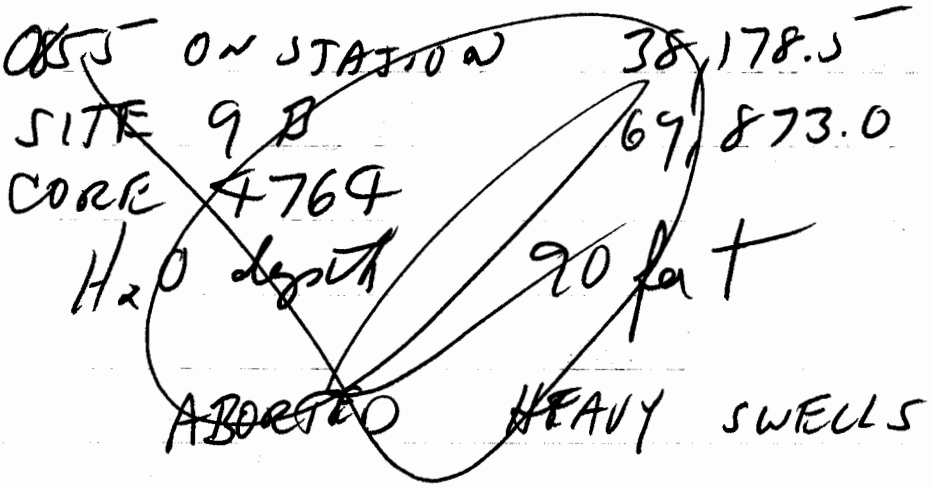
~~0?~~

0655 ON STATION
SITE 7C
CORE 9763
H_2O depth 100 fa +

38/153.5 / 69,856-6

0808 FUX

38/153.5
69/856.6


OBS ON STATION
38, 178.5
SITE 9B
69, 873.0
CORE 4769
H2O depth
90 fm +
ABORTED
HEAVY SWELLS

1005 ON STATION
SITE 20B
CORE 4764

38/106/
69/878.0

H_2O depth 88 feet

1032 F.X
38/106.0
69/878.1

1153 ON STATION

38/009.7 69/871.6

SITE 5B

CORE 4765

H_2O depth 71 fut

1236 FIX

38/010.1 69/871.6

1402 ON STATION 38,121.4
2nd attempt 69,872.4
Site 22 E
Core 4752B

H_2O depth ~ 85 feet

1st run aborted boulders.

2nd run slacked anchor chain ~ 50'
new fix
38,121.3
69,872.6

2 attempts - no go

1700 ON STATION
SITE 1A
CORE 4766
H2O depth 74 feet

37, 961.9
69, 864.5

1718 FIX
37, 961.0
69, 864.6
} core station

ANN-2-77

R/V ANNANDALE VIBROCORING
27 SEPT 77

10:20 DEPART WOODS HOLE - ON ROUTE TO
CORE SITE NS-3A OFF EAST CHOP, M.V.

37,926.2 69,877.9
SITE NS-3A
STATION 4920 VC-01

ABORTED TEMPORARILY
SHIP WOULD NOT SETTLE DOWN

ON ROUTE TO SITE NS-3A

SITE NS-8A

CORIE

37,878.2

69,900.3

ABORTED DUE TO STRONG SW WINDS + GUSTS TO 40 KNOTS

R/V ANNANDALE
NANTUCKET SOUND - VIBRACORING

WED 28 SEPT

SITE NS-1A
CORE 4920 VC-01
LC 37,950.7 69,863.8 usec
75' H_2O depth

On station 0820

PISTON SEIZED

STATION L-C 37,950.0
69,864.0
CORER OVER - 1155
CORER ON BOARD ~ 1210
1 attempt ~ 20' penetration
~ 18' of recovery

WED 25 SEPT

SITE NS-3A

CORE 792 / VC-02

L-C 37,926.2 69,877.9

H_2O depth ~ 65'

ON STATION 1335
~ 20' penetration
~ 18' recovery

Wed 28 Sept.

SITE NS-6C

CORE ~~7922~~ VC-03

LC 37,902.3 ~~69,881.6~~

50' H_2O depth

ABORT

Wed 28 ~~Sept~~

SITE NS-8A

CORE 4922 VC-03

L-C 37,878.2 69,900.3

H_2O depth ~ 37'

ABORTED - TOO SHALLOW

MAY TRY END OF CRUISE

Wed 28 Sept.

SITE - 11 B

CORE 4922 VC-03

LC 37,842.2 69,907.4

74' H_2O depth

good core

~18' money

Wed 28 Sept

SITE ~~15B~~

CORE ~~4923 VC-09~~

LC ~~37,830.3 69,920.5~~

~45'

ABORT

ON ROUTE

NANTUCKET

BOAT

BASIN

R/V Annandale

Thurs. 29 Sept. 77

SITE 15A

CORE 4923 VC-07

LC 37, 830.1 69, 878.4

H2O depth ~110'

26' penetration

~24' recovery

Thurs 29 Sept 77

SITE 19A

CORE 4924 VC-05

LC 37,782.1 69,879.8

H_2O depth ~ 92 feet

28' penetration

Thurs. 29 ~~Sept~~ 77

SITE 4B

CORE 4925 · VC-06

LC 37,804.5 69,870.0

H_2O depth ~ 33'

~ 20' recovery

NANTUCKET SOUND

Thurs 29 Sept 77

SITE 21A

CORE 4926 RC-07

LC 37,758.2 69,891.0

H_2O depth ~ 78'

~ 26 feet penetration
~ 14 feet recovery
lost ~ 6' bottom of liner - pile drivers?
No 2nd attempt

Friday 30 Sept 77

SITE NS-160

CORE 4927 VC-08

LC 37,818.2 69,950.7

H_2O depth ~ 75-1

Friday 30 Sept 77

SITE 19C

CORE 4928 VC-09

LC 37,782.0 69,950.0

H_2O depth ~ 48'

Friday 30 Sept 77

SITE - 20A

CORE 4929 VC-10

LC 37,769.8 69,952.3

H2O depth ~ 40'

Friday 30 ~~Sept~~ 77

SITE 21B

CORE 4930 VC-11

2C 37,758.1 69,930.7

H_2O depth ~ 40'

Friday 30 ~~Sept~~ 77

SITE 25A

CORE 4931 VC-12

LC 37,722.3 69,929.6

H_2O depth ~ 50'

Friday 30 Sept 77

SITE 19B

CORE 4932 VC 13

LC 37,782.1 69,907.6

H_2O depth 48'

sat 01 Oct 77

SHE 6A

CORE 4938 VC 14

LC 37,902.2 69,865.5

H_2O depth ~ 80'

30' penetration
27' recovery

Sat 01 Oct 77

SITE 10A

CORE 4937 VE 15

LC 37,862.5 69,871.8

H20 depth ~ 40'

30' penetration
~ 28' recovery

~~Sat~~ 01 Oct 77

SITE ~~16~~ A

CORE 4935 VC 16

LC 37,818.0 69,878.8

H20 depth ~ 70'

~25' penetration

~25' recovery

Sat 01 Oct 77

SITE 8A

CORE 4936 VC 17

LC 37,878.2 69,900.3

H_2O depth ~ 37'

V Bracorin typed over
too shallow a station
recovery ~ 3'
will count as Station
& Core
4936 VC 17

Sat 01 Oct 27

SITE 15B

CORE 4937 VC 18

LC 37,830.3 69,920.5

H_2O depth ~ 45'

15' penetration
~14' recovery

Sun 02 Oct 27

SITE 18A

CORE 4938 VC 19

LC 37,794.1 69,905.4

H_2O depth ~ 45'

~14' penetration

~13' recovery

very tough going

light sands

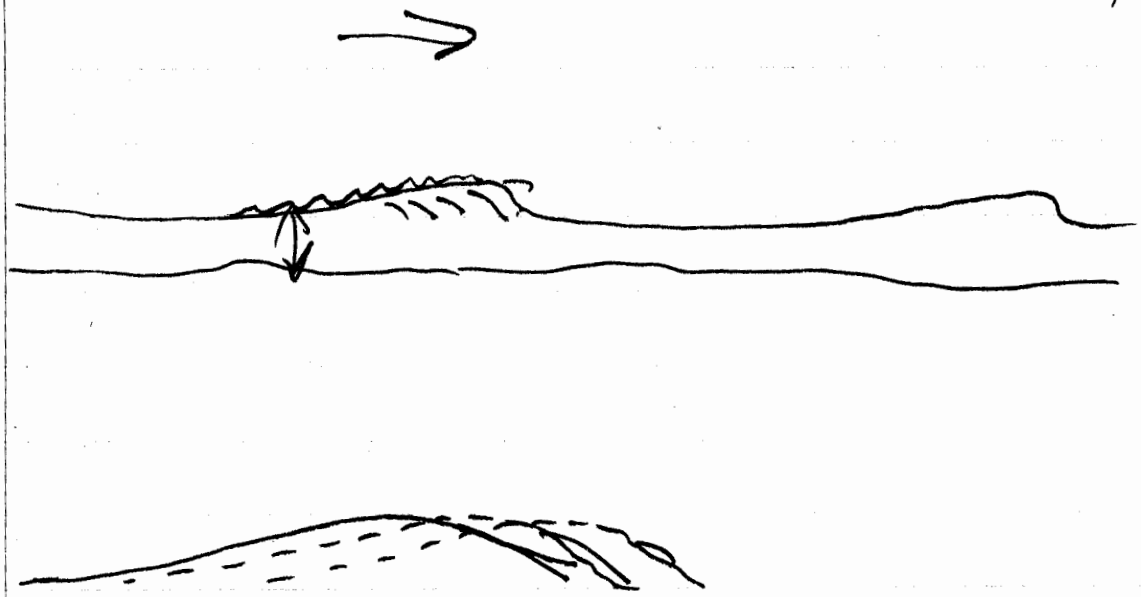
no 2nd attempt

Sun 02 Oct 77

SITE 17C

CORE 4939 VC 20

LC 37,806.1 69,901.5

H_2O depth ~ 95'

14' penetration
14' recovery