#89006VID

PA1-89

PHOTOGRAPHIC AND VIDEO LOG

MASSACHUSETTS BAY

CRUISE # PA1-89

MARCH 1989

OSV ANDERSON

MIKE BOTHNER CHIEF SCIENTIST

BOTHNER BOSTON HARBOR

ANDERSON 89-1
April 2-11, 1989
PHOTOGRAPHIC & VIDEO LOG

1C4722

PHOTOGRAPHIC LOG

J.D. 98

CRUISE # PA1 STATION # 1 DATE- 4-8-89

LOCATION - LAT. LONG.

TIME ON STATION- START- 2 14 40 END- 2 17 26

NUMBER OF FRAMES EXPOSED- 111 220

DATA CHAMBER # FROM TO

CAMERA - 273 LENS- 28mm STROBE- 283

FILM- Ektachrome TYPE- Prof ASA /DIN SPEED- 200

APERATURE OPENING F/ 5.6 -8 DISTANCE SET FEET- 5 METERS- 1.5

SYSTEM CONFIGURATION- Downlooking Boomer

METHOD OF PROCESSING- ship board film drum

DEVELOPER- E-6 Process TIME- 6 min TEMP- 105 AGITATION- mech

COMMENTS-

Data chamber F/11 -16

65 meters off station

Cable got caught in shrimp

VIDEO LOG

CRUISE # PA1 89 STATION # 1 DATE- 4/5/89

LOCATION- LAT. LONG.

TAPE # 1 TIME ON STATION- START-0214 END- 0217

STATION LOCATION # ON TAPE COUNTER-

COMMENTS-

VIDEO COMMENTARY-

PHOTOGRAPHIC LOG

CRUISE # PAL 89 STATION # 1 DATE- 4-8-89

LOCATION - LAT. LONG.

TIME ON STATION- 7 min START- 2:24 00 END- 2:31 00

NUMBER OF FRAMES EXPOSED- ~20

DATA CHAMBER # FROM TO

CAMERA - 273 LENS- 28 STROBE- 253

FILM- Ektachrome TYPE- Not ASA /DIN SPEED- 200

APERATURE OPENING F/5.6-8 DISTANCE SET FEET- 5 METERS- 1.5

SYSTEM CONFIGURATION- Down looking Bounce

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS- on station (see previous bearing)
Some base holes, muddy

PHOTOGRAPHIC LOG

CRUISE # STATION # 2 DATE- 4 8 89

LOCATION - LAT. LONG.

TIME ON STATION- START- 5:06 30 END- 5:16 01

NUMBER OF FRAMES EXPOSED- ~15

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

Sand waves to large rock

VIDEO LOG

CRUISE # STATION # 3 DATE-

LOCATION- LAT. LONG.

TAPE # 1 TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 1562

COMMENTS-

VIDEO COMMENTARY- review: 0536 hrs. [illegible] area 1370'

PHOTOGRAPHIC LOG

CRUISE # PA1 89 STATION # 4 DATE- 4-8-89

LOCATION - L LAT. 42 23 62 LONG. 70 54 62

TIME ON STATION- START- 6 7 39 END- 6 16 40

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA./DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

CRUISE # PA1 89 STATION # 4 DATE- 4-8 89

LOCATION- LAT. LONG.

TAPE # 1 TIME ON STATION- 6:39 START- 6:39 END- 6:40

STATION LOCATION # ON TAPE COUNTER- 1562 – 1807

COMMENTS-

VIDEO COMMENTARY-

review of tape 1629 first shot. looks fine, but has shells

1649 1654 06098 Comment, station 4

fine sediment at first, - some cobbles

later on tape.

something moved at 1731

1776' 0685 hrs

PHOTOGRAPHIC LOG

CRUISE # PAI 89 STATION # 5 DATE- 4-8-89

LOCATION - LAT. 42 25 25 LONG. 70 46 39

TIME ON STATION- START- 7 10 57 END- 0724

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

Sand waves before 2544 footage.

-0723- rocks at edge of

Sand waves. end at 2646

VIDEO LOG

CRUISE # PAI 89 STATION # 5 DATE- 4/8/89

LOCATION- LAT. LONG.

TAPE # 1 TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 1808

COMMENTS-

VIDEO COMMENTARY-

changed to SP.

PHOTOGRAPHIC LOG

CRUISE # PA1 89 STATION # 6 DATE- 4 8 89

LOCATION - LAT. 42 23 30 LONG. 70 50 04 (end)

TIME ON STATION- START- 2240 END- 22 44 29

NUMBER OF FRAMES EXPOSED- ~16

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

CRUISE # STATION # 6 DATE- 4 8 89

LOCATION- LAT. LONG.

TAPE # 2 TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 0400 0743

COMMENTS-

VIDEO COMMENTARY- fine grained silty

VIDEO LOG

CRUISE # STATION # 7 DATE- 04-08-89

LOCATION- LAT. 42 20 15 LONG. 70 53 81

TAPE # 2 TIME ON STATION- START- 2340 END- 2348

STATION LOCATION # ON TAPE COUNTER- 1077

COMMENTS-

VIDEO COMMENTARY-

rocks and

PHOTOGRAPHIC LOG

CRUISE # PA1 89 STATION # 8 DATE- 4 9 89

LOCATION - LAT. LONG.

TIME ON STATION- START- 10 36 END- 00 43

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

CRUISE # PA 1 89 STATION # 8 DATE- 4 9 89

LOCATION- LAT. LONG.

TAPE # 2 TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 1017 1270

COMMENTS-

VIDEO COMMENTARY-

PHOTOGRAPHIC LOG

CRUISE # PA1 89 STATION # 9 DATE- 4 09 89

LOCATION - LAT. LONG.

TIME ON STATION- START- 1:10 48 END- 1:16 32

NUMBER OF FRAMES EXPOSED- ≈10

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

lots of disturbed sediment

soft stuff

VIDEO LOG

CRUISE # PAI-89 STATION # 9 DATE- 4 09 89

LOCATION- LAT. LONG.

TAPE # 2 TIME ON STATION- START- 1:10 46 END- 1:16 32

STATION LOCATION # ON TAPE COUNTER- 1272 1538

COMMENTS-

VIDEO COMMENTARY-

soft, some bare holes

a few flounders

PHOTOGRAPHIC LOG

CRUISE # STATION # 10 DATE- 4 09 84

LOCATION - LAT. LONG.

TIME ON STATION- START- 1 40 END- 1 52 03

NUMBER OF FRAMES EXPOSED- ~218

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

CRUISE # STATION # 10 DATE- 4 09 89

LOCATION- LAT. LONG.

TAPE # TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 1537 1615

COMMENTS- empty tape to 2516

VIDEO COMMENTARY-

fist to good sized rocks cobbles

PHOTOGRAPHIC LOG

CRUISE # STATION # 11 DATE-

LOCATION - LAT. LONG.

TIME ON STATION- START- 02 18 END- 02 27 27

NUMBER OF FRAMES EXPOSED- 2 18

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

CRUISE # STATION # 11 DATE-

LOCATION- LAT. LONG.

TAPE # TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 2516 2756

COMMENTS-

VIDEO COMMENTARY-

0219 shells soft sediment

0220 55 fish

0223 a few ripples

less shells, softer more muddy

17 13
8 04

9 17

PHOTOGRAPHIC LOG

CRUISE # PA1-89 STATION # 12 DATE- 04 09 89

LOCATION - LAT. LONG.

TIME ON STATION- START- 02 40 ? END- 02 54

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

CRUISE # PA1 89 STATION # 12 DATE-

LOCATION- LAT. LONG.

TAPE # 2 TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 2756 2986

COMMENTS-

VIDEO COMMENTARY-

Ripples and sandy

~ 0248 becomes softer

PHOTOGRAPHIC LOG

CRUISE # PAL 89 STATION # 13 DATE- 4 9 89

LOCATION - LAT. LONG.

TIME ON STATION- START- 03 34 END- 03 40

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/8-11 DISTANCE SET FEET- 5 METERS- 1.5

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

Film change before Station

VIDEO LOG

CRUISE # PA1 89 STATION # 13 DATE- 4-9-84

LOCATION- LAT. LONG.

TAPE # 2 TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 2986 3213

COMMENTS-

VIDEO COMMENTARY-

soft bottom a few rocks

some shells

2986 3213

PHOTOGRAPHIC LOG

CRUISE # PA2-89 STATION # 14 DATE- 4 9 89

LOCATION - LAT. LONG.

TIME ON STATION- START- END-

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

041635

VIDEO LOG

CRUISE # PH1 89 STATION # 14 DATE- 4 9 89

LOCATION- LAT. LONG.

TAPE # 2 TIME ON STATION- START- 0416 END- 0424

STATION LOCATION # ON TAPE COUNTER- 3217 - 3401

COMMENTS- 3401 ~

VIDEO COMMENTARY- Btm appears to be fairly fine grained in texture, sfc scattering of pebbles and rocks - The pebbled areas increased in density beginning about 0420 hours into cast. No visible worm tubes - Overall impression - little change in btm characteristics during cast

PHOTOGRAPHIC LOG

DAY 99

CRUISE # PA 1 89 STATION # 15 DATE- 4/9/89

LOCATION - LAT. LONG.

TIME ON STATION- 044900 START- END-

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

CRUISE # **STATION #** **DATE-**

LOCATION- **LAT.** **LONG.**

TAPE # 3 **TIME ON STATION-** **START-** 0451 (ON BTM) **END-** 050059 (COMING UP)

STATION LOCATION # ON TAPE COUNTER-

COMMENTS- Ctr start = 0000 END - 0461

VIDEO COMMENTARY-

reddish brown — "loose" sfc w/ patches of cobbles - shells - some brittle stars a starfish - Appears to be resuspension which is independent (?) of camera sled - some kind of fish on btm (eel?) Btm easily stirred up - flocs of sed in suspension.

PHOTOGRAPHIC LOG

CRUISE # AT-89 STATION # 16 DATE- Day 99 4/9/89

LOCATION - LAT. LONG.

TIME ON STATION- 0528 START- END-

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

Bring back camera to change batteries - strobe slow

MB,

Here is another overlay of camera casts as they exist now. There is no data on tape for stations 18-22. Where possible, I copied all fixes down from the hard copy in order to generate a file for plotting. Stations 18 and 16 should definitely be documented from the video, since there was no hard copy for station 18 at all (except post-cast), and station 16 got screwed up because we changed strobe-batteries after a first attempt, and I forgot to restart the printer for the second try. Start and end times should be written down for ALL stations so that any off-bottom sections of the line plots can be eliminated.

0557 - 16

VIDEO LOG

CRUISE # PA1-89 STATION # 16 DATE- 4/9/89 DAY 99

LOCATION- LAT. LONG.

TAPE # 3 TIME ON STATION- START- 0461 (Counter) END- 0912

STATION LOCATION # ON TAPE COUNTER- Tape start 0461 - 0912

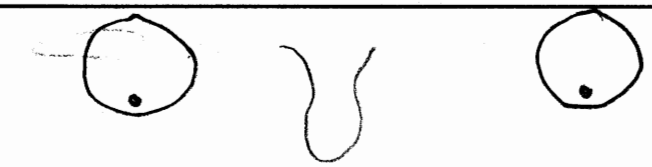
COMMENTS- Time 0528 - 0608

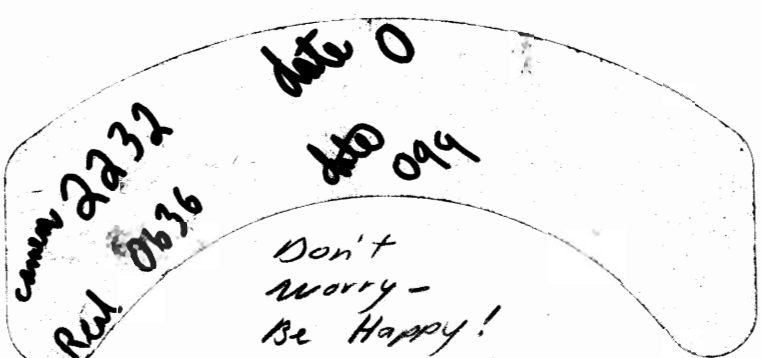
O

VIDEO COMMENTARY-

O similar to both stations 14 and 15 - loose granular sfc - easily stirred up - cobbles red-brown in appearence - Some kind of fish on btm - same as at sta 15 -

- Strobe batteries replaced beginning of STA 16 - Note: Dan B. has found some problem with date recorded on still shots from last roll - after this station he will reset counter - STA's 17, 18, 19 should therefore be correct, if nothing else





PHOTOGRAPHIC LOG

DAY 99

CRUISE # PA1-89 STATION # 17 DATE- 4/9/89

LOCATION - LAT. LONG.

TIME ON STATION- 0700 START- END-

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

New roll film

VIDEO LOG

CRUISE # PAI-89 STATION # 17 DATE-

LOCATION- LAT. LONG.

TAPE # TIME ON STATION- START- 070741 END- BTM 071629

STATION LOCATION # ON TAPE COUNTER- 0912 - 1423

COMMENTS-

VIDEO COMMENTARY- Took shots of Deck and Station I.D. board
Counter left on between Sta 16 and Sta 17 - Expect blank tape in between (We do good work!)

Very rocky btm - cobbles are covered w growth + sediment. Sfc sediment easily resuspended. Doesn't appear to be any "uncobbled" sfc.

PHOTOGRAPHIC LOG

CRUISE # PA1-89 STATION # 18 DATE- 99J 4/9/89

LOCATION - LAT. LONG.

TIME ON STATION- START- END-

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

4/8/89 (0443)

CRUISE # PA1-89 STATION # 18 DATE-

LOCATION- Sandwaves area N+W of mouth Zone LAT. LONG.

TAPE # TIME ON STATION- START- END- 0840 Chg Z

STATION LOCATION # ON TAPE COUNTER- 1474 1742

COMMENTS-

VIDEO COMMENTARY- on bottom at 1514 to tape setting.

ripples
Sandwaves in view for the first few minutes then into sediments with gravel on surface

remove LP, next station switch to

PHOTOGRAPHIC LOG

CRUISE # PAI-89 STATION # 19 DATE-

LOCATION - LAT. LONG.

TIME ON STATION- START- END-

NUMBER OF FRAMES EXPOSED-

DATA CHAMBER # FROM TO

CAMERA - LENS- STROBE-

FILM- TYPE- ASA /DIN SPEED-

APERATURE OPENING F/ DISTANCE SET FEET- METERS-

SYSTEM CONFIGURATION-

METHOD OF PROCESSING-

DEVELOPER- TIME- TEMP- AGITATION-

COMMENTS-

VIDEO LOG

4/9/89

CRUISE # PA 1-89 STATION # 19 DATE-

LOCATION- BOULDER FIELD LAT. LONG.

TAPE # 4 TIME ON STATION- START- VT END- 0934

STATION LOCATION # ON TAPE COUNTER- 0000

COMMENTS- photo of station label + scale for both video and still camera.

VIDEO COMMENTARY- in water at 0920 hrs.

0127 on bottom. (rare).
boulders, some fine between them
help like granite over 30-40% of bottom

0650 footage end.
boulders did not seem to be covered with fine material.

VIDEO LOG

Boux "B" SW corner

day 99
4/9/89

CRUISE # PA1-89 **STATION #** 20 **DATE-**

LOCATION- **LAT.** **LONG.**

TAPE # **TIME ON STATION-** 1000 **START-** **END-**

STATION LOCATION # ON TAPE COUNTER- 0650 1233

COMMENTS- in w

VIDEO COMMENTARY- in water @ 0700 feet. 1004 hrs Z

on bottom 0766' 1006

gravel covered, , ~~no~~ little resuspension

when we hit, but the rocks are not clean

resuspension only wispy

out at 1021 hrs

VIDEO LOG

Buoy B · NW corner

day 99
4/9/85

CRUISE # PAL-89 STATION # 21 DATE-

LOCATION- LAT. LONG.

TAPE # TIME ON STATION- START- END-

STATION LOCATION # ON TAPE COUNTER- 1249'

COMMENTS-

on station @ 1033 Z

VIDEO COMMENTARY- 1249' on deck film label

in water @ 1038 Z 1260'

lobster pot. 1320

no response when we hit

bottom 1044 Z 1452'

gravel + boulders, very little fauna

VIDEO LOG

Due E of Buoy B

4/9/89

CRUISE # **STATION #** 22 **DATE-** 099 DAY

LOCATION- **LAT.** **LONG.**

TAPE # **TIME ON STATION-** **START-** **END-**

STATION LOCATION # ON TAPE COUNTER- 1452

COMMENTS-

VIDEO COMMENTARY- in water @ 1101 1485'

on bottom 1102 1520'

baseball size rocks, coated but little resuspension when we hit.

off bottom 1109 1728