

UNITED STATES GOVERNMENT

Memorandum

TO : James Robb

DATE: 9 February 1977

FROM : Robert Oldale

Bob Oldale

76036 rpt

SUBJECT: Cruise Report

12-09-76 -> 17-09-76

Cruise ^F May 23, operated in the coastal waters of Massachusetts and the western part of Georges Bank. The ship departed Woods Hole on the 12th of September and returned on the 17th. I was chief scientist. Master of the R/V FAY was James P. Olander. The scientific party was made up by:

6 DAYS AT SEA

14 sci party

- E. Winget USGS
- K. Kent "
- L. Morse "
- M. Ferrebee "
- W. Bothner "
- B. Irwin "
- N. Lefteriou "
- P. Parks "
- D. Moller "
- P. Beresnack WESTERN GEOPHYSICAL CORP
- R. Lewis USGS
- D. Edwards "
- J. Donlavey "
- J. Loughlin MANOMET WILDLIFE REFUGE

The purpose of the cruise was to study the shallow sedimentary structure south and east of southern Massachusetts and to study the magnetics and gravity in these areas and in the vicinity of Great South Channel and Cape Ann. Scientific equipment aboard included a sparker system, air gun (20 cu in) system, magnetometer, and gravity meter. Navigation was by the U.S.G.S. integrated navigation system.

All track lines were within the eastern time zone. Records were marked in GMT. The cruise occupied five days and approximately 1200 km of sparker, air gun, magnetic, and gravity data were collected.

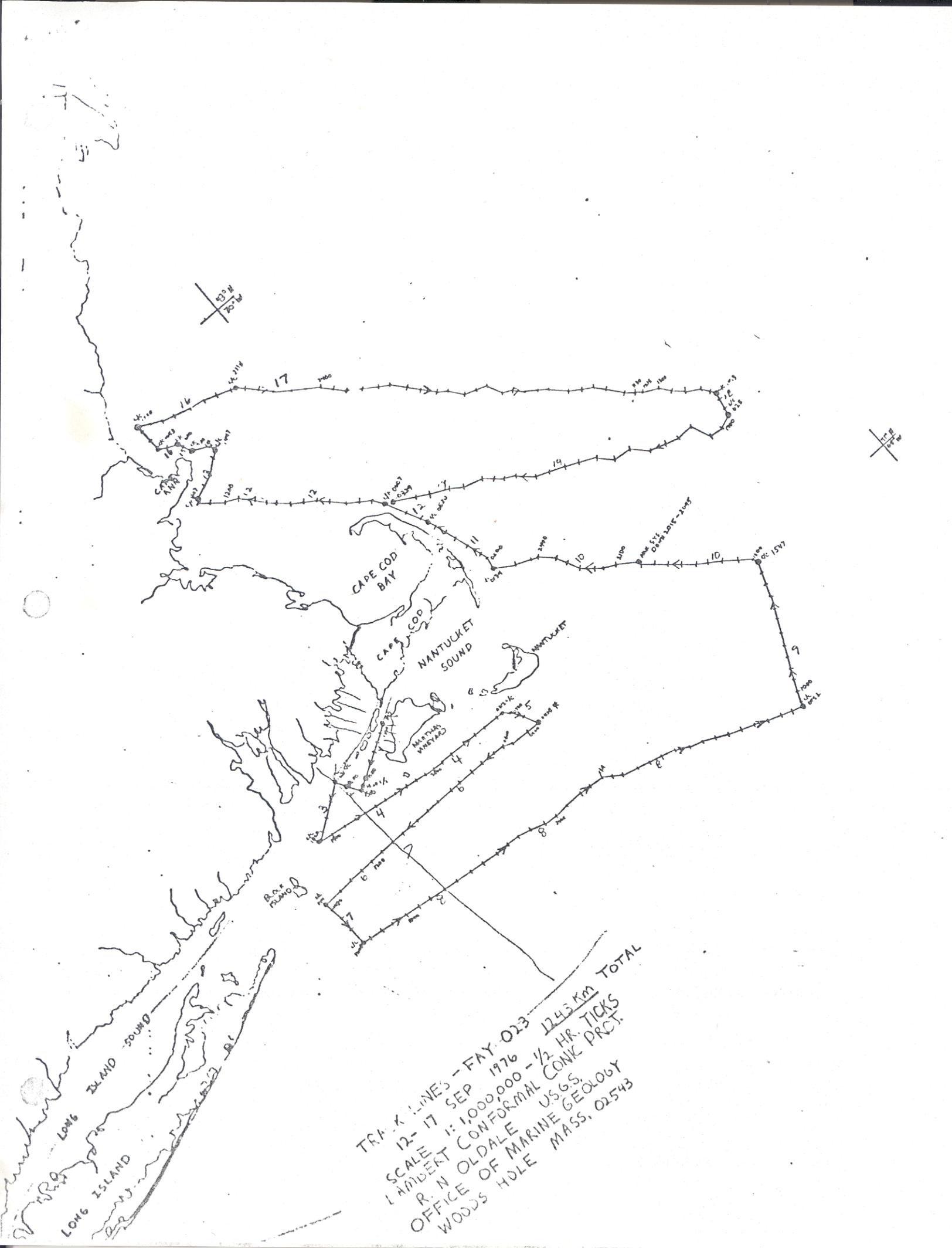


5010-110

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L.A. R. I. A.
OFFICE
WOODS HOLE

LONG ISL.



TRACK LINES - FAY 023 1243 Km TOTAL
 12-17 SEP 1976
 SCALE 1:1,000,000 - 1/2 HR TICKS
 LAMBERT CONFORMAL CONIC PROJ.
 R. N. OLDALE USGS
 OFFICE OF MARINE GEOLOGY
 WOODS HOLE MASS. 02543

SCIENTIFIC PARTY

R/V FAY CRUISE 023

SEPT. 11 - 17, 1976

NAVIGATION

Donald Moller
Paul Bereznak
Kathy Kent
Ralph Lewis
Barry Irwin

TECHNICAL STAFF

Dennis Edwards
Nick Lefteriou
Alan Goodman

SEISMIC WATCH STANDERS

Elizabeth Winget
Lin Morse
Mack Ferrebee
John Dunlavey
Wallace Bothner
James Loughlin

CHIEF SCIENTIST

Robert N. Oldale