

76044

Cruise Report

Tug WHITEFOOT

October 26-31, 1976

U.S. Geological Survey

Report rec'd 18 NOV 76 JR
RoscoP 18 NOV 76

B. Butman
USGS

Ship: Tug WHITEFOOT

Cruise No. N/A

Area of Operation: North and Middle Atlantic Bight

Dates of Operation: Depart Woods Hole 1400 26 October 1976
Return Woods Hole 1400 31 October 1976

Personnel:

Roy Campbell	Captain
B. Butman	Chief Scientist, USGS
W. Strahle	Engineer, USGS

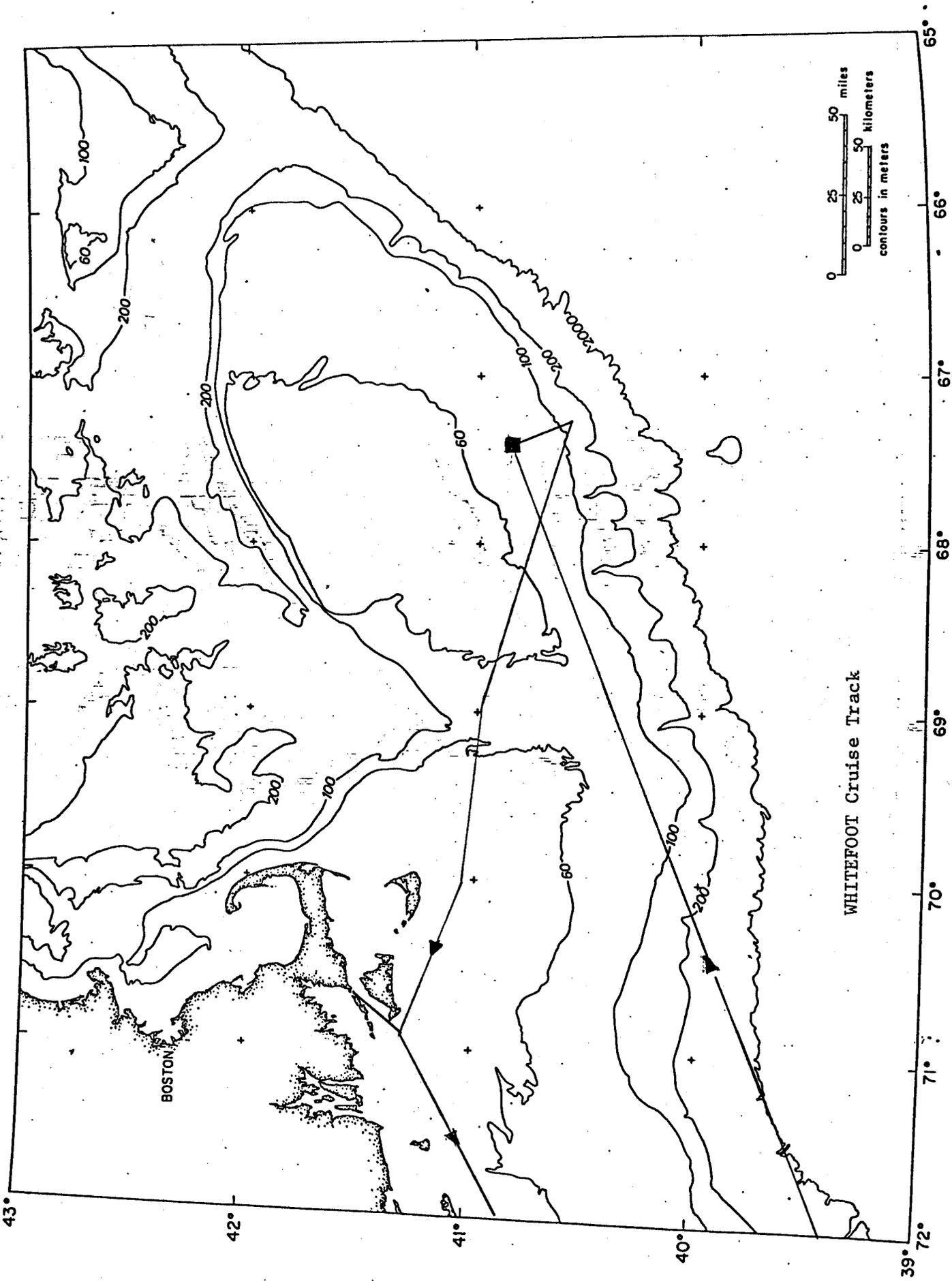
Objective: The primary objective of the WHITEFOOT cruise was to deploy two bottom moored tripod systems which monitor sediment transport. One tripod was to be deployed in the Baltimore Canyon Trough area of the continental shelf and the other on the southern flank of Georges Bank. A secondary objective was to obtain cross-shelf temperature measurements passing through the tripod mooring locations to aid in interpretation of the tripod current meter records of particular importance with the position of the shelf-slope water boundary.

Narrative:

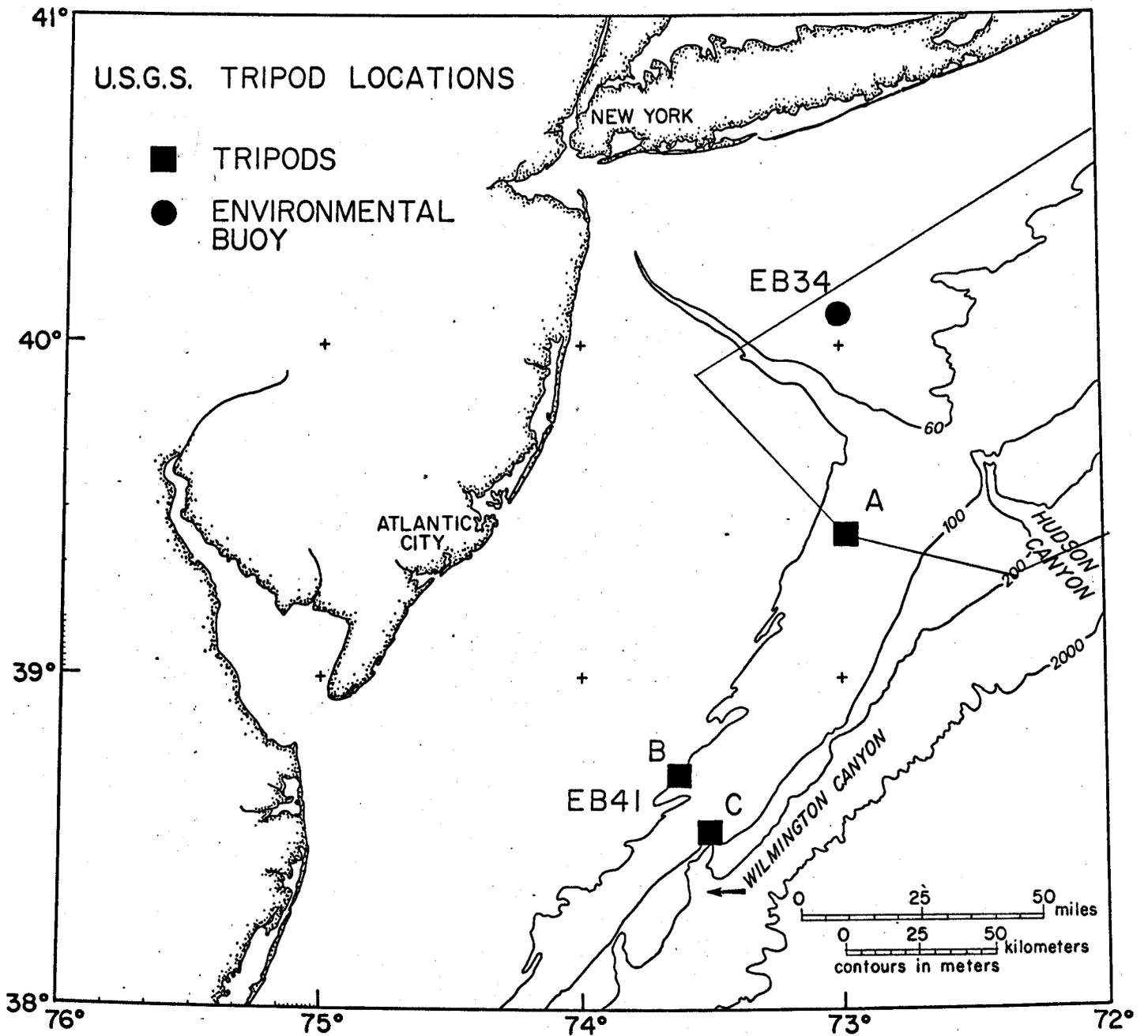
- October 26 Depart Woods Hole. Raining, NE gale. Head for mooring location 117 (39°26.0'N 72°59.3'W)
- October 27 Start XBT section 0945. On station 117 at 1400. Seas too rough to launch tripod.
- October 28 Launch tripod 1400. Underway to Georges Bank Station ~1700 (40°51.'N 67°24.7'W). XBT's while underway until 2100 at shelf edge.
- October 29 Steaming
- October 30 On station 116 at 0400. Check mooring 115. Start launch mooring 116 at 0800. Underway to Woods Hole - 1015. XBT's while underway.
- October 31 Complete XBT section 0500
Arrive W.H.O.I. at 1400.

Tabulated Information

- a. Days at sea 5
- b. Total ship track (approx.) 650 m
- c. Number of stations
Temperature profiles (XBT's) 21
- d. Instrumentation deployed
 - 1. USGS Mooring 116 (tripod)
(40°51.2'N 67°24.7'W)
 - 2. USGS Mooring 117 (tripod)
(39°26.0'N 72°59.3'W)



WHITEFOOT Cruise Track



WHITEFOOT Cruise Track
October 23-31, 1976