

78035

Cruise Report

Tug WHITEFOOT

30 Oct. - 2 Nov. 1978

Brad Butman
U. S. Geological Survey
Woods Hole, MA 02543

Vessel: Tug WHITEFOOT

Area of Operations: Continental Shelf south of Martha's Vineyard

Dates: Depart Woods Hole, MA 2100 30 Oct.

Return Woods Hole, MA 0200 2 Nov.

Personnel:

Roy Campbell, Master
Brad Butman, Chief Scientist
Nick Lefteriou, USGS
Andy Eliason, Eliason Data Services

Objectives:

The objectives of the WHITEFOOT cruise were to:

1. Replace a bottom tripod system (mooring 157) deployed on ATLANTIS II 103 which was suspected to have malfunctioned
2. Deploy an additional surface marker buoy at the station to provide additional protection from bottom trawling
3. Attempt to recover by grappling subsurface current mooring 162.

The trawler OCEAN STATE, from Pt. Judith, R.I., fished up the entire mooring. The flotation was returned but the instrumentation (1 VACM-TR and release) dropped to the bottom when the mooring chain parted.

Narrative:

30 Oct. 2300 Depart Woods Hole

31 Oct. 0700 Arrive mooring station P; deploy surface marker buoy.

1000 Deploy tripod mooring 166

1115 Deploy subsurface current mooring 167

1215 Recover tripod mooring

1500 Locate mooring 162 transponder (approx 2 mi. NE of station); commence grappling operations. Apparently hooked instruments twice but would not stay on wire.

2200 Terminated dragging operations.

1 Nov. 0800 Commence dragging operations; wind 20-30 NNE.

1200 Terminated dragging, seas 4-12' chop (too rough if hooked instrumentation). Jog to south for cross-shelf XBT transect.

1600 Return to mooring station. Seas still 4-12' chop. Recover small marker float. Depart for Woods Hole. Complete cross-shelf XBT transect.

2 Nov. 0200 Arrive Woods Hole.

Tabulated Information:

a. Days at Sea: 2.5

b. Instruments Deployed:

Tripod Mooring 166

Current Mooring 167

c. Instruments Recovered:

Tripod Mooring 157

d. Stations:

XBT 4

Surface Salinity 4

Cruise Track - TUG WHITEFOOT 30 October - 2 November 1978. Tripod and current mooring deployed at Station P.

