



**Daily Drilling and Scientific Report for
IODP3-NSF Expedition 501
New England Shelf Hydrogeology, 2025**



24th June 00:00 – 24th June 24:00 East Daylight Time (UTC -4)

1. Location

Position 40.9976°N, 70.3334°W @12:00 EDT 24th of June
IODP-MSP borehole M0112A
Prospectus borehole MV-08A
Water Depth: 41m

2. Operations Report

The borehole was advanced slowly using a mix of hydraulic piston corer and alien corer. Excellent recovery in clays and poor in the granular sands.

3. Science Report

43 samples were taken on the 24th of June for interstitial water, geochemistry, microbiology, and paleontology. A total of 34.32 of core from Hole M0112A was run through the MSCL.

4. Core Recovery

Hole	M0112A
Cores recovered	29
Drilled length (Coring, m)	46.66
Drilled length (Open hole, m)	n/a
Recovered length (m)	37.54
Recovery (%)	80%
Depth at midnight (mbsf)	180.25

5. Time Breakdown

00:00 – 24:00 Advancing borehole by combination of Alien and Hydraulic Piston corers.

6. Hours (inc. cumulative total) – no contractual implications can be made from these figures

In port	n/a
Transiting	n/a
Operating	24
Technical downtime	0
Weather downtime	0
Other downtime (specify)	0

7. Weather

Winds 12 kts from WSW at 12:00. Wave height less than 1m. Visibility generally good to horizon with some haze at times.

8. Planned Activity for the next 24 hours

Continue coring to TD for Hole M0112A.

9. Health and Safety and Environmental

Reminder to use sunscreen and stay hydrated during hot and humid weather. A reminder to wear gloves if handling core. Be aware of water on the working deck.

The decks were searched for stranded seabirds at sunrise. None were found.

10. Photo of the day



Figure 1: PSS Andrew McIntyre and Co-chief Becky Robinson being put to work clearing water off the working deck (WALKER@ECORD_IODP3_NSF_clearing)