



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



**3<sup>rd</sup> June 00:00 – 3<sup>rd</sup> June 24:00 East Daylight Time (UTC -4)**

**1. Location**

Position 40.8746°N, 70.2697°W @12:00 EDT 28th of May  
IODP-MSP borehole M0111B  
Prospectus borehole MV-03C  
Water Depth: 42m

**2. Operations Report**

Coring progressed from 00:00 until 21:00. In the 21 hours, 29 cores were recovered totaling 47.3 metres of advance. Loose sands limited the average core run to 1.75 metres and the recovery rate to 47%. At 21:00 the BHA was pulled out of the hole to replace the bit. By midnight, the new BHA was being run back into the hole.

**3. Science Report**

48 sample sets were taken and analysed for interstitial water geochemistry, micropaleontology and microbiology. 24 Cores were analysed using the MSCL with a total length of 19.82 m.

**4. Core Recovery**

<b>Hole</b>	M0111B
<b>Cores recovered</b>	29
<b>Drilled length (Coring, m)</b>	47.3 m
<b>Drilled length (Open hole, m)</b>	0
<b>Recovered length (m)</b>	22.53 m
<b>Recovery (%)</b>	47.6%
<b>Depth at midnight (mbsf)</b>	352.08 m

**5. Time Breakdown**

00:00 - 21:00 Coring ahead – 31 cores, 54 m advance, 47% recovery  
21:00 - 22:30 Pulling out of the hole to replace bit  
22:30 - 24:00 Assembling new BHA and running in hole

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

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

**7. Weather**

Light west to south-westerly winds of around 6 kt prevailed throughout the day, with gentle 1 m swell from the SSE. Visibility was clear to horizon with few clouds and temperatures were very comfortable around 20 degrees C.

**8. Planned Activity for the next 24 hours**

Core ahead until total depth (TD), estimated at 450 m

**9. Health and Safety and Environmental**

No Health and Safety issues to report.

## 10. Photo of the day



*Figure 1: Screenshot from UAV drone flight at sunset (photo EVEREST@ECORD\_IODP3\_NSF\_UAV\_03-06)*