



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



**25<sup>th</sup> June 00:00 – 25<sup>th</sup> June 24:00 East Daylight Time (UTC -4)**

**1. Location**

Position 40.9976°N, 70.3334°W @12:00 EDT 25<sup>th</sup> of June  
IODP-MSP borehole M0112A  
Prospectus borehole MV-08A  
Water Depth: 41m

**2. Operations Report**

The borehole was advanced by almost 40 m using a mix of hydraulic piston corer and alien corer. Excellent core recovery (averaging 89%) in both clays and sands was achieved.

**3. Science Report**

69 samples were taken on the 25<sup>th</sup> of June for interstitial water, geochemistry, microbiology, noble gas and paleontology. A total of 49.35m of core from Hole M0112A was scanned through the MSCL.

**4. Core Recovery**

Hole	M0112A
Cores recovered	24
Drilled length (Coring, m)	39.56
Drilled length (Open hole, m)	n/a
Recovered length (m)	35.24
Recovery (%)	89%
Depth at midnight (mbsf)	219.81

**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 around 5kts WNW at 12:00. Wave heights < 1m. Sunny and hot with good visibility to horizon.

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

Continue coring to TD for Hole M0112A.

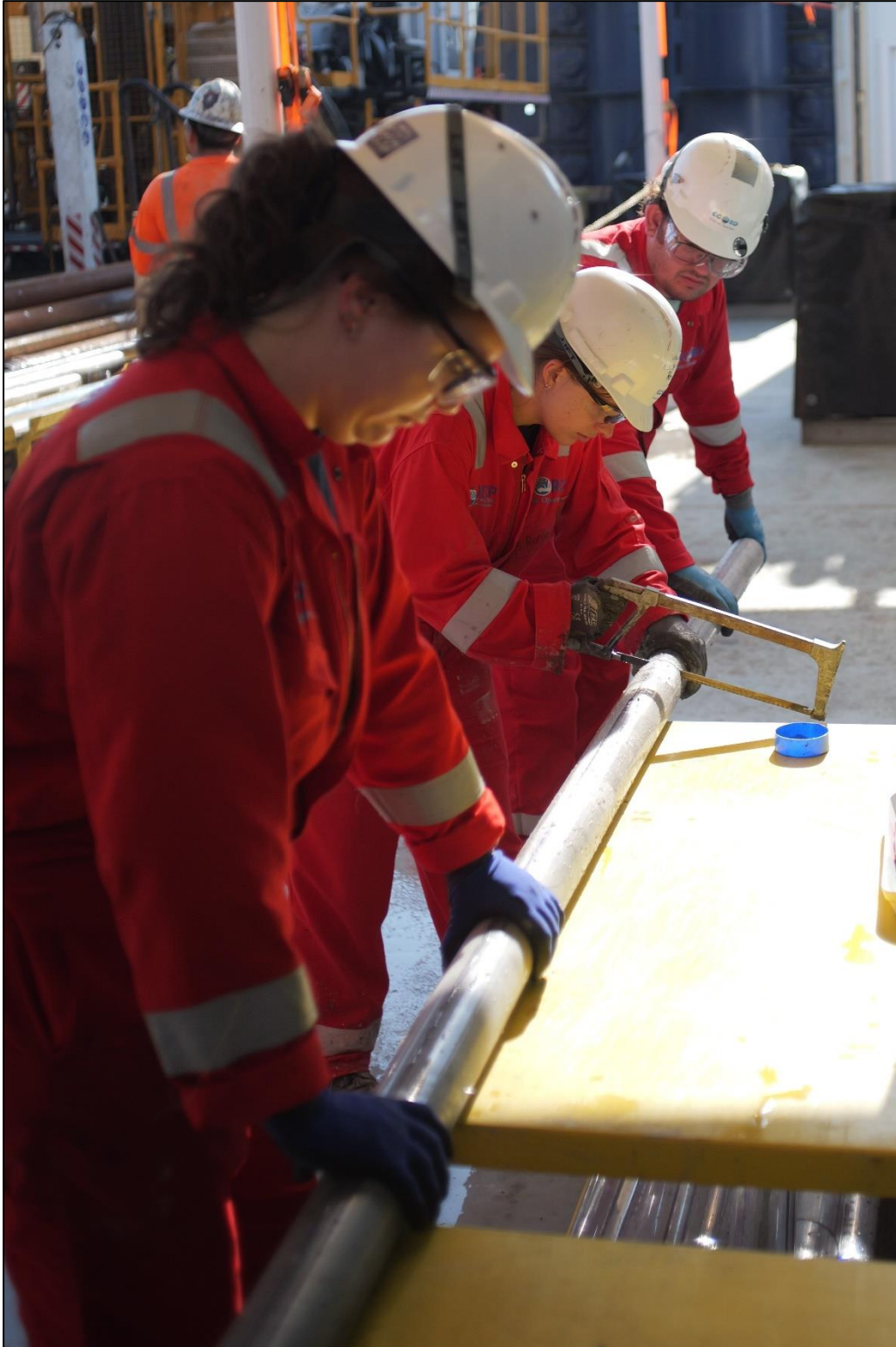
**9. Health and Safety and Environmental**

Reminder to use sunscreen and stay hydrated during hot and humid weather.

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

10. Photo of the day

**NOTE THAT THE PHOTO FOR THE 24<sup>TH</sup> WAS INCORECTLY LABELLED! Adam Wspanialy was working with Becky Robinson clearing off the deck. Apologies from Margaret.**



*Figure 1 Curator Ronja Kuhnlein cutting a long core into sections. LEBER@ECORD\_IODP3\_NSF\_curation6.*