

**Daily Drilling and Scientific Report for IODP Expedition 347,
Baltic Sea Paleoenvironment**



25th Sep 00:00 – 25th Sep 24:00 GMT

1. Location

11° 40.243' E 56° 37.211' N (M0060A)

BSB-1 – Anholt

Water Depth: 31.2 m

2. Activity Summary

Continue coring operations at M0060A.

3. Science Report

Coring started at 119 mbsf and penetrated through a deep layer of well-sorted sand alternating between fine and medium grain size. The sand had a relatively high diversity of foraminifera that appeared in good state. Some were broken mechanically as an indication that they had been exposed to a high energy environment. At depth intervals starting at 129 mbsf samples were taken directly in black plastic bags for OSL dating. At 145 mbsf a lithological change was recorded, the sediment shifted from medium sand into silty clay with a few benthic foraminifers and pieces of charcoal which may indicate a depositional environment with an increasing water depth. A marked increase in foraminifera diversity was noted with more than 11 individual species identified. This silty clay turned into coarser sandy clay at 160 mbsf and the species diversity and the abundance of foraminifers decreased to only a few species and individuals. At a depth of 167 mbsf several small pieces of charcoal was found in sandy clay with only few individuals of foraminifera.

4. Core Recovery Details

Hole	M0060A
Cores recovered	18
Drilled length (Coring)	51.0 m
Drilled length (Open hole)	1.0 m
Recovered length	33.03 m
Recovery	66.06%
Depth at Midnight	175.4 m

5. Weather

Fair, wave heights of 0.3 - 0.5 m; winds NE - NNW (variable), 10 – 12 kts, gusting 12 -15 kts; 10°C.

Next 24 hrs: Fair, wave heights of 0.2 – 0.8 m, winds NNW – N, 10 –15 kts, gusting 12 - 19 kts. 8°C.

Low pressure moving through the area.

6. Planned Activity for the next 24 hours

Continue coring operations at M0060A.

7. Photo of the day



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