

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



13th Sep 00:00 – 13th Sep 24:00 GMT

1. Location

10° 6.491' E 55° 0.295' N
BSB-3

2. Activity Summary

Continued set up for coring activity. Commencement of coring at BSB-3 M0059A.

3. Science Report

Cores covering the top 0-13 mbsf were recovered. The scientists were very pleased to have core material from this expedition. The cores recovered clayey black mud without lamination. A strong smell of hydrogen sulfide was noted down to ca. 10 mbsf, below which depth it disappeared. Free gas bubbles of methane were present from near the sediment surface and continued throughout the cored interval. This caused some expansion of the cores and a lowered apparent density. Dissection microscopy indicated similar brackish-marine conditions throughout the interval, which contained similar fragments of algae and eelgrass leaves, shells of small and newly settled bivalves, chitinous remains of small crustaceans and insects, and frustules of centric diatoms, but no foraminifera.

4. Core Recovery Details

Hole	M0059A
Cores recovered	4
Drilled length	13.5 m
Recovered length	13.5 m
Recovery	101.97 %
Depth at midnight	13.5 m

5. Weather

Fair, sea state slight with swell of 0.2 m; wind direction SSW, winds of 6 kts gusting to 9 kts; 16°C.
Next 24 hrs: Fair, with isolated showers and rain after 12:00, sea state slight with swell of 0.2 – 0.6 m, winds of 6 – 15kts, gusting 17 kts. 18°C.
Low in the S of Baltic, moving towards Scandinavia.

6. Planned Activity for the next 24 hours

Continue coring operations at BSB-3.

7. Photo of the day



AarnoKotilainen@ECORD_IODP: First core on deck.