

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



24<sup>th</sup> Oct 00:00 – 24<sup>th</sup> Oct 24:00 GMT

**1. Location**

15° 28.638' E 55° 28.104' N

BSB-7C, Bornholm Basin

**2. Activity Summary**

Completed coring and logging operations at M0065A and began coring operations on Hole M0065B.

**3. Science Report**

At the start of the day we had reached a depth of 18 mbsf in Hole M0065A in the Bornholm Basin and were through a 12-14 m deep layer of black to green Holocene gyttja-clay. We were now coring a deep layer of brown glacial clay. The clay was relatively soft and uniform down to a depth of 40 mbsf where a hard layer was encountered for the first time and only a short core was recovered. The next two piston cores made a full stroke, however, and again consisted of brown clay but with varying amounts of sand.

Below 46 mbsf there was a hard and sandy formation. Very well sorted sand was collected down to 68 mbsf where it changed into a sandy silt and became gradually more like a diamicton. At approximately 74 mbsf the Mesozoic (Cretaceous) bedrock was reached, and the hole was terminated.

**4. Core Recovery Details**

Hole	M0065A	M0065B
Cores recovered	34	2
Drilled length (Coring)	19.42m	3.3m
Drilled length (Open hole)	26.08m	3m
Recovered length	19.9m	3.62m
Recovery	102.47%	109.7%
Depth at Midnight	73.9 mbsf	6.3 mbsf

**5. Weather**

Overcast with isolated showers, wave heights of 1.75 – 3 m; winds SW to W, 32 - 35 kts, gusting to 45 kts; Max 15°C.

Next 24 hrs: Fair with possible patchy fog and isolated showers, wave heights of 0.8– 1.6 m, winds W becoming SSE to S, 14 – 23 kts, gusting to 29 kts. 12°C.

A series of low pressure systems will pass to the north, increasing south to southwesterly winds.

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

Continue operations at BSB-7C, Bornholm Basin.

7. Photo of the day



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