

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



**4<sup>th</sup> Oct 00:00 – 4<sup>th</sup> Oct 24:00 GMT**

**1. Location**

18° 2.950 E 62° 46.700' N

On Transit to BSB-10, Ångermanälven River Estuary

**2. Activity Summary**

Complete transit to BSB-10 and commence operations.

**3. Science Report**

The vessel arrived on station BSB-10 in Ångermanälven and started the coring operations at noon. The uppermost part of the sequence consisted of a greenish clay on top of a black sulphide clay. At 4.7 mbsf the sediments turned into a weakly varved clay with weak sulphide banding. Some shell fragments and plant remnants were recorded at 7.8 mbsf. From 13.3 mbsf the sediment became increasingly rich in silt and was a pure, well sorted silt at 20.7 mbsf. Due to the high water content it was not possible to determine from the material in the core catcher whether the sediment was varved or not.

The coring returned silty sediment down to 25.1 mbsf and it was decided that if the next core also collected just pure silt Hole M0061A would be finished and relocation to M0061B will commence.

**4. Core Recovery Details**

<b>Hole</b>	M0061A
<b>Cores recovered</b>	11
<b>Drilled length (Coring)</b>	25.1 m
<b>Drilled length (Open hole)</b>	N/A
<b>Recovered length</b>	26.36 m
<b>Recovery</b>	105.02 %
<b>Depth at Midnight</b>	25.1 m

**5. Weather**

Fair, wave heights of 0.6 – 1.0 m; winds SSW, 23 - 33 kts, gusting 29 - 41 kts; 5°C.

Next 24 hrs: Fair, wave heights of 0.2 – 0.4 m, winds SSW, 15 –28 kts, gusting 19 -35 kts. 4°C.

High pressure shifting eastwards and interacting with lower pressure to the north.

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

Continue coring operations at BSB-10.

**7. Photo of the day**



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