

## **German Ice Report - No. 32**

2011-01-07

AA 1//// 2//// 3//// 4////  
BB 1//// 2////  
CC 15282 24181 33180  
DD 19342 25262 42200 51200  
FF 14242  
GG 22101 45202  
HH 11100 22302 34202  
II 31000  
LL 16262 22000

Further ice retreat, in the eastern part of the Baltic coast the ice has drifted northward.

### **North Sea coast**

In the Northfrisian Wadden Sea there is 15-30 cm thick fast ice in the harbour of Tönning and open to close 5-20cm thick ice in some other harbours. Further out mostly open water to open 5-15 cm thick drift ice. Up to more than 50 cm thick floes, formed on the Wadden, can drift around. On the Elbe there is open water from Hamburg to Stadersand, then 5-15cm thick very open to open ice out till Brunsbüttel and then again open water till Cuxhaven, in some sheltered areas also 10-15cm close ice. On the Kiel Channel there is mostly very open to very close 5-15 cm thick ice. On the Weser open water near Bremerhaven. On the river Ems open water to very open new ice, in some sheltered places also 10-15cm compact ice.

### **Western Baltic Sea**

In the harbour of Flensburg and in the Innenförde there is 10-15 cm thick close ice. On the inner Schlei 10-15 cm thick open ice, the outer part open water. Very open new ice in the harbour of Eckernförde, open water in the Bight. In the harbour of Heiligenhafen 10-15cm thick close ice. Very open thin ice occurs in the harbour of Neustadt and open water to very open 10-15 cm thick ice from Lübeck to Travemünde. In the harbour of Wismar there is close 15-20 cm thick ice, farther out past Walfisch about 20 cm thick fast ice with a lead, finally very close ice and new ice to Timmendorf. In Rostock there is 5-20 compact ice in the city harbour, very close 10-15 cm thick ice on Unterwarnow and then open to close thin ice in the sea channel of Warnemünde. The Bodden waters south of Darß and Zingst are covered with 10-20 cm thick ice. Outside Darss and Hiddensee some drifting ice.

### **Southern Baltic Sea**

In the northern approach to Stralsund and on the fairway to Hiddensee there is 15-30 cm thick compact ice and fast ice. In the eastern approach to Stralsund there is compact 10-20 cm thick ice to Freesendorfer Haken. Along the shores of the Greifswalder Bodden there is 15-30 cm thick fast ice. On the northern Peenestrom there is close 5-15 cm thick ice out to Ruden. The southern Peenestrom and the Kleines Haff are covered with 10-30 cm thick fast ice. In the Pomeranian Bay very open thin ice is drifting in the northern part, open to close ice in the southern, near to the coast it is mostly ice free.

### **Outlook**

General slow ice decrease.

### **Restrictions to navigation**

To Stralsund, Wolgast and the harbours in the southern Greifswalder Bodden (Lubmin, Vierow, Ladebow) assistance is given only to ships with minimum ice class 1C and engine power not less than 1000 kW, also only daytime navigation is allowed and use of pilot and convoy formation are mandatory.

The northern approach to Stralsund, southern Peenestrom, Kleines Haff and river Peene are closed for navigation.

**Icebreaker:** ARKONA is present in the Greifswalder Bodden, FAIRPLAY-5 in Wismar.

BSH - Ice Service