

## German Ice Report - No. 07

2012-02-05

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Ice growth continues.

### North Sea coast

In the Northfrisian Wadden Sea there is mostly close to open 5-15 cm thick ice in the harbours and shallow areas. In the harbour of Tönning there is about 15 cm thick fast ice. Off Eiderdamm there is open, about 15 cm thick ice. On the Elbe there is very close 5-10 cm thick ice from the harbour of Hamburg to Stadersand and new ice farther out to Brunsbüttel. In the Eastfrisian Wadden Sea there is thin ice in places, at Wangerooge also compact 5-10 cm thick ice. On the Weser and Ems there is thin ice, in places. On Kiel Canal there is new ice at Brunsbüttel.

### Western Baltic Sea

In the inner fjord of Flensburg there is open new ice. In the inner Schlei, close about 10 cm thick ice, in the outer part very close 5-10 cm thick ice. In the harbour of Eckernförde there is minor new ice. Very open new ice occurs in the Kiel-Binnenhafen, new ice formation farther out. In Heiligenhafen there is very close 5-10 cm thick ice. In Fehmarnsund and in the eastern part of Fehmarnbelt there is some new ice and ice formation. Very close, thin ice occurs in the harbour of Neustadt, in the Bight of Neustadt there is slush. On the Trave there is very open 10-15 cm thick ice, in the harbour of Travemünde very open thin ice. In the harbour of Wismar thin ice, farther out to Walfisch very close thin ice. Unterwarnow is covered with up to 10 cm thick ice, in the overseas ports and in sea channel Warnemünde open thin ice occurs. The Bodden waters south of Darß and Zingst are covered with about 10 cm thick ice. Outside Zingst a narrow belt of shuga.

### Southern Baltic Sea

The Bodden waters between Rügen and Hiddensee and the northern approach to Stralsund are covered with 10-15 cm thick ice. In the harbour of Stralsund and on the eastern approach to Stralsund there is compact 10-15 cm thick ice. At the coasts of the Greifswalder Bodden there is close to very close 10-15 cm thick ice, in sheltered regions also up to 20 cm thick, farther out close thin ice. In the harbours of Sassnitz and Mukran there is new ice. On the northern Peenestrom from Wolgast to Ruden and in Osttief there is compact 10-15 cm thick ice. Southern Peenestrom and Kleines Haff are covered with 10-15 cm thick fast ice. Along the outer coast of Usedom there are belts of slush and shuga.

### Outlook

Intensive ice formation, extending also along the outer coasts, will continue for further two days.

### Restrictions

The northern approach to Stralsund and Bodden waters south of Darß and Zingst are closed for navigation.

Only daytime navigation is allowed in the eastern approach to Stralsund and in approaches to Wolgast as well as to the harbours in Greifswalder Bodden and Kleines Haff.

From 03.02.2012: To Stralsund port, to Wolgast port and to ports in Greifswalder Bodden use of pilot are mandatory.

**From 06.02.2012:** Only ships with minimum ice class 1C and engine power not less than 1000 kW are assisted to Stralsund, Wolgast and the harbours in the southern Greifswalder Bodden (Lubmin, Vierow, Ladebow).

### **Icebreakers**

There is 24h ice breaking assistance in the port of Hamburg.

BSH - Ice Service