

## **German Ice Report - No. 36**

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No larger changes, due to the cold night most poodles on the ice in the east were refrozen.

### **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, partly rotten 5-20 cm thick ice in some other harbours. Farther out mostly open water or open 5-15 cm thick drift ice. Up to more then 50 cm thick floes, formed on the Wadden, can drift around. On the Elbe there is 5-15cm thick very open ice at Glückstadt , then open water to Cuxhaven. On the Kiel Channel there is alternately open water to close 5-15 cm thick ice. On the Weser near Bremerhaven and on the Ems open water occurs.

### **Western Baltic Sea**

In the inner fjord of Flensburg a there is 5-10 cm thick open ice. On the inner Schlei 10-15 cm thick open ice, in the outer part open water. Open water in the harbour of Eckernförde. In the harbour of Heiligenhafen open 5-15 cm thick ice, in Neustadt port close new ice. In the harbour of Wismar there is open 15-20 cm thick ice, farther out past Walfisch about 20 cm thick ice outside fast ice, finally 10-15cm very close ice half way to Timmendorf. In Rostock there is 15-20 compact ice in the city harbour, very open 5-15 cm thick ice on Unterwarnow and then open water in the sea channel of Warnemünde. The Bodden waters south of Darß and Zingst are covered with 10-20 cm thick 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 Palmer Ort, followed by very close to close ice to Landtiefinne; ice free at Osttief. Along the shores of the Greifswalder Bodden there is 15-30 cm thick fast ice, in the outer areas of the Bodden open water occurs. The northern Peenestrom is mostly ice free. The southern Peenestrom and the Kleines Haff are covered with 10-30 cm thick fast ice, in places also very open ice.

### **Outlook**

Further 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.