

**A<sub>B</sub> - AMOUNT AND ARRANGEMENTS OF SEA ICE**

- 0 Ice free
- 1 Open water - concentration less than 1/10
- 2 Very open ice - concentration 1/10 to less than 4/10
- 3 Open ice - concentration 4/10 to 6/10
- 4 Close ice - concentration 7/10 to 8/10
- 5 Very close ice - concentration 9/10 to 9+/10\*
- 6 Compact ice, including consolidated ice - concentration 10/10
- 7 Fast ice with drift ice outside
- 8 Fast ice
- 9 Lead in very close or compact drift ice or along the fast ice edge
- / Unable to report
- \*) 9<sup>+</sup>/10 means 10/10 ice concentration with openings

**S<sub>B</sub> - STAGE OF ICE DEVELOPMENT**

- 0 New ice or dark nilas (less than 5 cm thick)
- 1 Light nilas (5 - 10 cm thick) or ice rind
- 2 Grey ice (10 - 15 cm thick)
- 3 Grey-white ice (15 - 30 cm thick)
- 4 White ice, first stage (30 - 50 cm thick)
- 5 White ice, second stage (50 - 70 cm thick)
- 6 Medium first year ice (70 - 120 cm thick)
- 7 Ice predominantly thinner than 15 cm with some thicker ice
- 8 Ice predominantly grey-white (15-30 cm thick) with some ice thicker than 30 cm
- 9 Ice predominantly thicker than 30 cm with some thinner ice
- / No information or unable to report

**T<sub>B</sub> - TOPOGRAPHY OR FORM OF ICE**

- 0 Pancake ice, ice cakes, brash ice - less than 20 m across
- 1 Small ice floes - 20-100 m across
- 2 Medium ice floes - 100-500 m across
- 3 Big ice floes - 500-2000 m across
- 4 Vast or giant ice floes - more than 2000 m across - or level ice
- 5 Rafted ice
- 6 Compacted slush or shuga, or compacted brash ice
- 7 Hummocked or ridged ice
- 8 Fast ice 8 Thaw holes or many puddles on the ice
- 9 Rotten ice
- / No information or unable to report

**K<sub>B</sub> - NAVIGATION CONDITIONS IN ICE**

- 0 Navigation unobstructed
- 1 Navigation difficult or dangerous for wooden vessels without ice sheathing
- 2 Navigation difficult for unstrengthened or low-powered vessels built of iron or steel. Navigation for wooden vessels even with ice sheathing not advisable
- 3 Navigation without icebreaker assistance possible only for high-powered vessels of strong construction and suitable for navigation in ice
- 4 Navigation proceeds in lead or broken ice-channel without the assistance of an icebreaker
- 5 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size
- 6 Icebreaker assistance can only be given to vessels of special ice class and of special size
- 7 Icebreaker assistance can only be given to vessels after special permission size
- 8 Navigation temporarily closed
- 9 Navigation has ceased
- / Unknown