

**SYMBOLS**

- Fast is (10/10)  
Fast ice
- Sammanfrusen, kompakt eller mycket tät drivis (9-10/10)  
Consolidated, compact or very close pack ice
- Tät drivis (7-8/10)  
Close pack ice
- Spridd drivis (4-6/10)  
Open pack ice
- Mycket spridd drivis (1-3/10)  
Very open pack ice
- Öppet vatten (<1/10)  
Open water
- Nysis (1-3/10)  
New ice (4-6/10)  
(7-9/10)
- Jämn is (7-8/10)  
Level ice  
Jämn is (9/10)  
Level ice
- Uppskattad istocklek  
Estimated ice thickness
- Uppmätt istocklek  
Measured ice thickness
- Spricka  
Crack
- Iskant  
Ice boundary
- Uppskattad isgräns  
Estimated ice boundary
- Hopskjuten is  
Rifted ice
- Vallar och upptornad is  
Ridges and hummocked ice
- Stampisvall  
Window, brash ice barrier
- Råk  
Lead
- Isbumlingar  
Floeborgs, floebits
- Vattentemp-isoterm °C  
Water temp isoterm °C  
Varmt / kallt maximum  
Warm / cold maximum
- W or C
- ALE  
Ice breaker

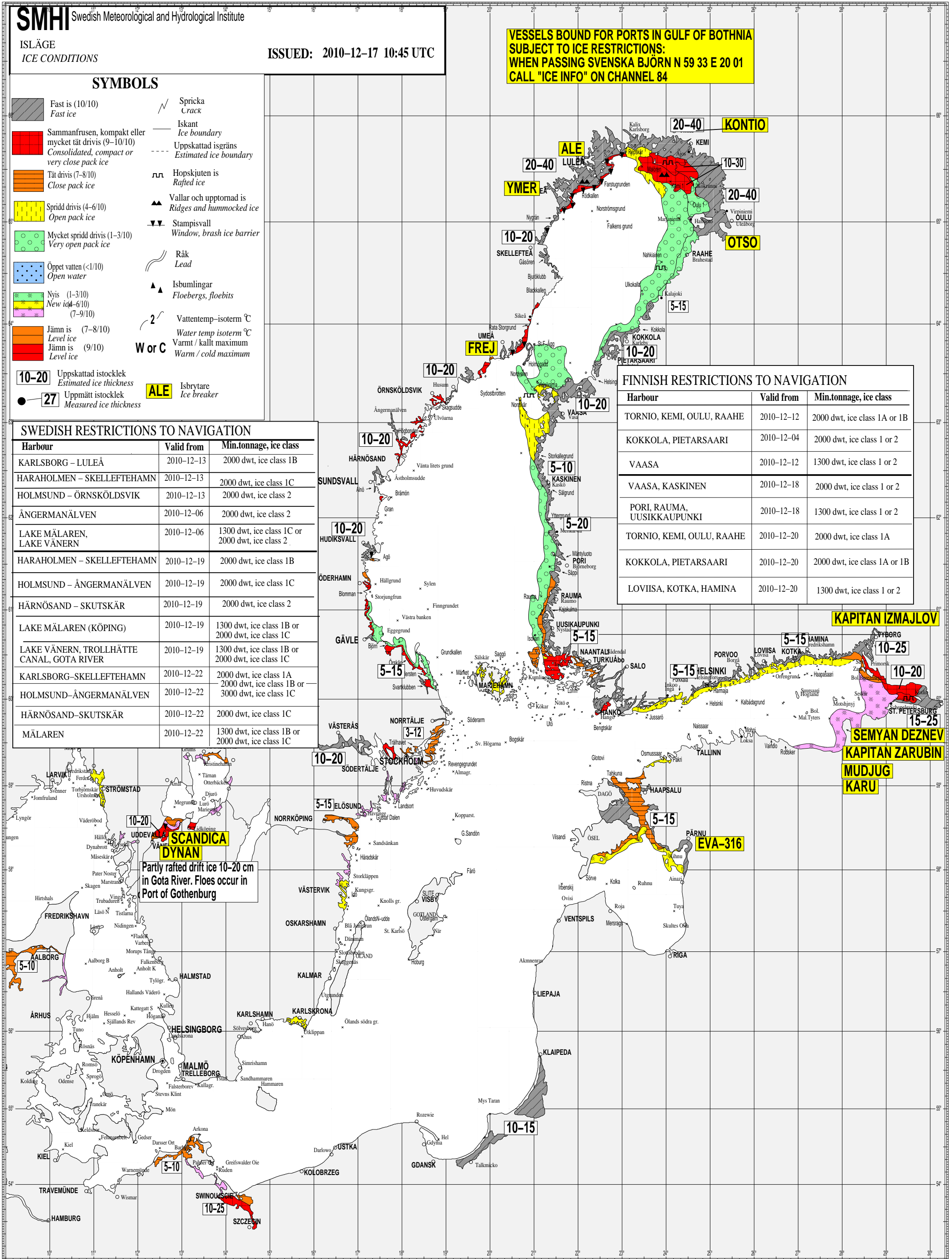
**VESSELS BOUND FOR PORTS IN GULF OF BOTHNIA  
SUBJECT TO ICE RESTRICTIONS:  
WHEN PASSING SVENSKA BJÖRN N 59 33 E 20 01  
CALL "ICE INFO" ON CHANNEL 84**

**SWEDISH RESTRICTIONS TO NAVIGATION**

Harbour	Valid from	Min.tonnage, ice class
KARLSBORG – LULEÅ	2010-12-13	2000 dwt, ice class 1B
HARAHOLMEN – SKELLEFTEHAMN	2010-12-13	2000 dwt, ice class 1C
HOLMSUND – ÖRNSKÖLDSVIK	2010-12-13	2000 dwt, ice class 2
ÅNGERMANÄLVEN	2010-12-06	2000 dwt, ice class 2
LAKE MÅLAREN, LAKE VÄNERN	2010-12-06	1300 dwt, ice class 1C or 2000 dwt, ice class 2
HARAHOLMEN – SKELLEFTEHAMN	2010-12-19	2000 dwt, ice class 1B
HOLMSUND – ÅNGERMANÄLVEN	2010-12-19	2000 dwt, ice class 1C
HÄRNÖSAND – SKUTSKÄR	2010-12-19	2000 dwt, ice class 2
LAKE MÅLAREN (KÖPING)	2010-12-19	1300 dwt, ice class 1B or 2000 dwt, ice class 1C
LAKE VÄNERN, TROLLHÄTTE CANAL, GOTA RIVER	2010-12-19	1300 dwt, ice class 1B or 2000 dwt, ice class 1C
KARLSBORG – SKELLEFTEHAMN	2010-12-22	2000 dwt, ice class 1A 2000 dwt, ice class 1B or 3000 dwt, ice class 1C
HOLMSUND – ÅNGERMANÄLVEN	2010-12-22	2000 dwt, ice class 1C
HÄRNÖSAND – SKUTSKÄR	2010-12-22	2000 dwt, ice class 1C
MÅLAREN	2010-12-22	1300 dwt, ice class 1B or 2000 dwt, ice class 1C

**FINNISH RESTRICTIONS TO NAVIGATION**

Harbour	Valid from	Min.tonnage, ice class
TORNIO, KEMI, OULU, RAAHE	2010-12-12	2000 dwt, ice class 1A or 1B
KOKKOLA, PIETARSAARI	2010-12-04	2000 dwt, ice class 1 or 2
VAASA	2010-12-12	1300 dwt, ice class 1 or 2
VAASA, KASKINEN	2010-12-18	2000 dwt, ice class 1 or 2
PORI, RAUMA, UUSIKKAUPUNKI	2010-12-18	1300 dwt, ice class 1 or 2
TORNIO, KEMI, OULU, RAAHE	2010-12-20	2000 dwt, ice class 1A
KOKKOLA, PIETARSAARI	2010-12-20	2000 dwt, ice class 1A or 1B
LOVIISA, KOTKA, HAMINA	2010-12-20	1300 dwt, ice class 1 or 2



Partly rafted drift ice 10-20 cm in Gota River. Floes occur in Port of Gothenburg

**KAPITAN IZMAJLOV**  
**KAPITAN DEZNEV**  
**KAPITAN ZARUBIN**  
**MUDJUG**  
**KARU**