SMHI *SWEDISH METEOROLOGICAL AND HYDROLOGICAL INSTITUTE*

ICECHART

ISKARTA VALID DATE:2015-03-15

Ice Type	Concentration
Open water *Öppet vatten*	<1/10
Open new ice *Spridd nyis*	4/10 - 6/10
New ice *Nyis*	7/10 - 10/10
Very open ice *Mycket spridd drivis*	1/10 - 3/10
Open ice *Spridd drivis*	4/10 - 6/10
Level ice *Jämn is*	7/10 - 10/10
Close ice *Tät drivis*	7/10 - 8/10
Very close or compact ice *Mycket tät eller kompakt drivis*	9/10 - 9+/10
Fast ice *Fastis*	10/10

Symbols

- Rafted ice / *Hopskjuten is*
- Ridges, hummocked ice / *Vallar, upptornad is*
- Floebit / floeberg / *Isbumling*
- Strips and patches / *Drivisbälten*
- Presence of cracks / *Område med sprickor*
- Brash ice barrier / *Stampisvall*
- Major ice fracture / *Större spricka*
- Estimated ice edge / *Uppskattad isgräns*

SWEDISH RESTRICTIONS TO NAVIGATION

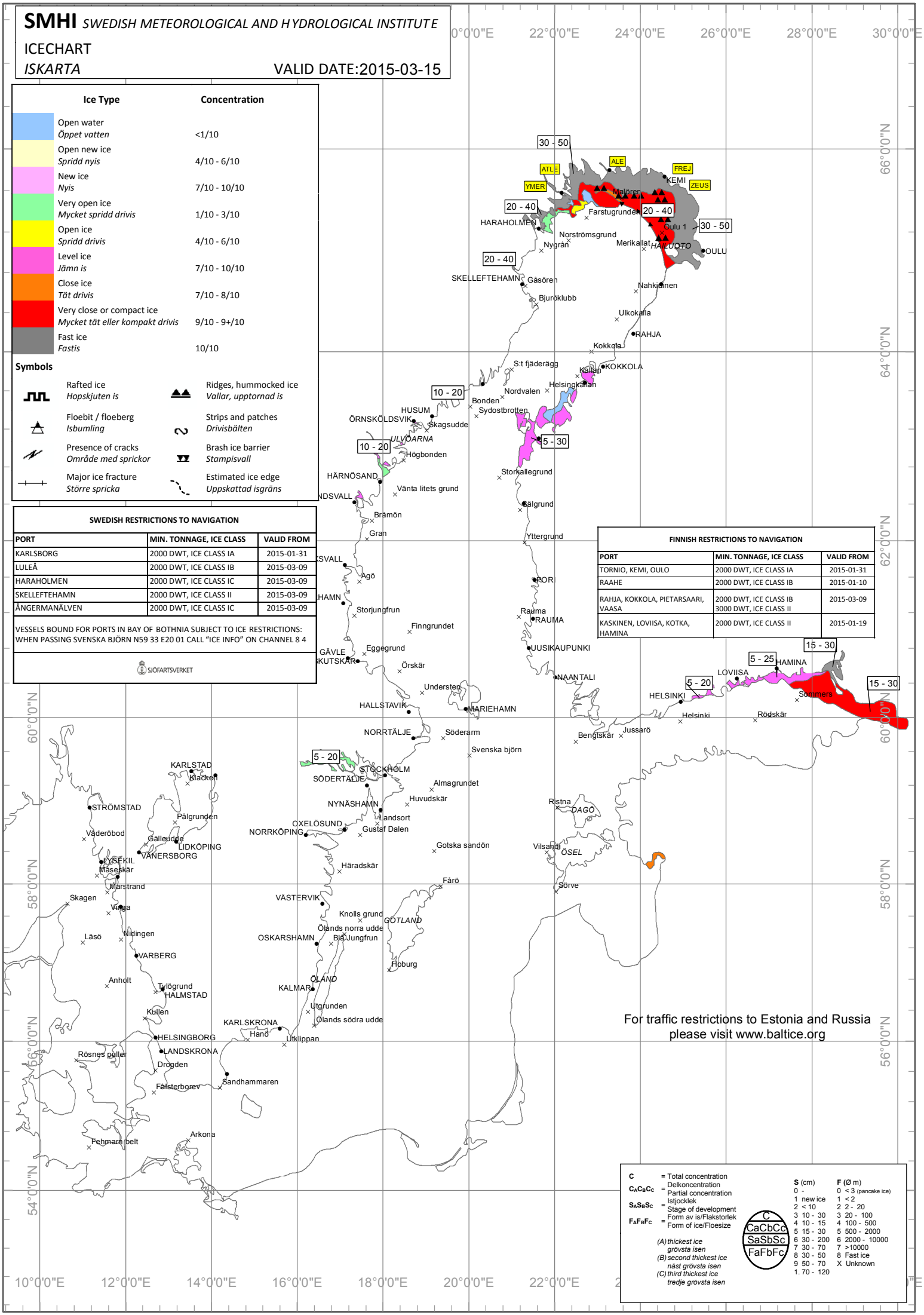
PORT	MIN. TONNAGE, ICE CLASS	VALID FROM
KARLSBORG	2000 DWT, ICE CLASS IA	2015-01-31
LULEÅ	2000 DWT, ICE CLASS IB	2015-03-09
HARAHOLMEN	2000 DWT, ICE CLASS IC	2015-03-09
SKELLEFTEHAMN	2000 DWT, ICE CLASS II	2015-03-09
ÄNGERMANÄLVEN	2000 DWT, ICE CLASS IC	2015-03-09

VESSELS BOUND FOR PORTS IN BAY OF BOTHNIA SUBJECT TO ICE RESTRICTIONS: WHEN PASSING SVENSKA BJÖRN N59 33 E20 01 CALL "ICE INFO" ON CHANNEL 8 4

SJÖFARTSVERKET

FINNISH RESTRICTIONS TO NAVIGATION

PORT	MIN. TONNAGE, ICE CLASS	VALID FROM
TORNIO, KEMI, OULO	2000 DWT, ICE CLASS IA	2015-01-31
RAAHE	2000 DWT, ICE CLASS IB	2015-01-10
RAHJA, KOKKOLA, PIETARSAARI, VAASA	2000 DWT, ICE CLASS IB 3000 DWT, ICE CLASS II	2015-03-09
KASKINEN, LOVIISA, KOTKA, HAMINA	2000 DWT, ICE CLASS II	2015-01-19



C = Total concentration
$C_AC_BC_C$ = Delkoncentration / Partial concentration
$S_AS_BS_C$ = Istjocklek / Stage of development
$F_AF_BF_C$ = Form av is/Flakstorlek / Form of ice/Floesize

(A) thickest ice / grövsta isen
(B) second thickest ice / näst grövsta isen
(C) third thickest ice / tredje grövsta isen

C
CaCbCc
SaSbSc
FaFbFc

S (cm)	F (Ø m)
0 -	0 < 3 (pancake ice)
1 new ice	1 < 2
2 < 10	2 2 - 20
3 10 - 30	3 20 - 100
4 10 - 15	4 100 - 500
5 15 - 30	5 500 - 2000
6 30 - 200	6 2000 - 10000
7 30 - 70	7 >10000
8 30 - 50	8 Fast ice
9 50 - 70	X Unknown
1. 70 - 120	