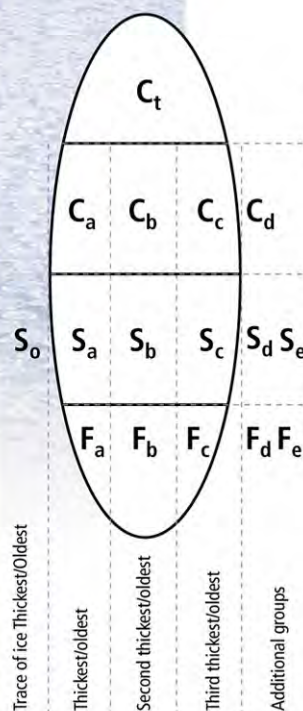




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# KEY TO ICE SYMBOLS



Total Concentration of ice, reported in tenths.

Partial concentration in tenths of thickest ( $C_a$ ), second thickest ( $C_b$ ) and third thickest ( $C_c$ ) ice types with  $C_a$ ,  $C_b$  and  $C_c$  1/10 or more. If only one thickness type is present  $C_a$  equals  $C_t$  and the second level is left blank.

Stage of development (age) of ice concentration reported by  $C_a$ ,  $C_b$  and  $C_c$ .

Development stage (age) of remaining ice types.  $S_o$  if reported is a trace of ice thicker/older than  $S_a$ .  $S_d$  is a thinner ice which is reported when there are four or more ice thickness types.

Predominant form of ice (floe size) corresponding to  $S_a$ ,  $S_b$  and  $S_c$  respectively.



Open Water



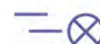
Fast Ice



Ice Free



Bergy Water



Target Water



Ice Drift  
(NM: Nautical miles)

## Stage of Development Sea Ice ( $S_o S_a S_b S_c S_d S_e$ )

Description	Thickness	Code
New	<10 cm	1
Nilas; Ice rind	<10 cm	2
Young	10-30 cm	3
Grey	10-15 cm	4
Grey-white	15-30 cm	5
First-year	≥30 cm	6
Thin first-year	30-70 cm	7
Medium first-year	70-120 cm	1•
Thick first-year ice	>120 cm	4•
Old		7•
Second-year		8•
Multi-year		9•
Ice of land origin		▲•
Undetermined, unknown		X

## Stage of Development Lake Ice ( $S_o S_a S_b S_c S_d S_e$ )

Description	Thickness	Code
New	<5 cm	1
Thin	5-15 cm	4
Medium	15-30 cm	5
Thick	30-70 cm	7
Very thick	>70 cm	1•
Undetermined, unknown		X

## Form of Ice ( $F_a F_b F_c F_d F_e$ )

Description	Width	Code
Pancake ice		0
Small ice cake, brash ice	<2 m	1
Ice cake	2-20 m	2
Small floe	20-100 m	3
Medium floe	100-500 m	4
Big floe	500-2000 m	5
Vast floe	2-10 km	6
Giant floe	>10 km	7
Fast ice		8
Icebergs		9
Undetermined, unknown or no form		X
Ice in strips in which concentration is C		∞ C



## Canadian Ice Service (CIS)

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