

## Ice Report 16.01.2018

### St. Petersburg, Primorsk, Ust-Luga and Vyborg/Vysotsk

#### Present ice conditions / Ice conditions forecast:

Due to low air temperatures during last few days ice formation is in progress now.

In the harbours of St. Petersburg port and up to the longitude of Kotlin Island there is close and very close ice up to 10 cm thick in places, further up to the longitude of Shepelevskiy Lighthouse there is open drifting ice, further westward – mainly open water.

In the top of Vyborg Bay and area of Vyborg/Vysotsk ports there is close and very close ice, on approaches – open drifting ice in places.

In the Bjerkesund Strait, area of Primorsk port there is open new ice, on approaches – mainly open water.

In the Luga Bay, area of Ust-Luga port and on approaches – ice free.

In general, it is still expected that ice conditions during the forthcoming winter season will be developing according to the mild or very mild winter type. The expected time of drifting ice appearance up to the longitude of Seskar Island – end of January / beginning of February, up to the longitude of Gogland Island – end of February / beginning of March. The maximum development of ice conditions, as usually, expected in the middle of March. In that period fast ice 30-50 cm thick is expected up to the longitude of Kronshtadt, further up to the longitude of Gogland Island – very close ice 20-40 cm thick is expected, further up to the longitude of Vaindlo Island – close ice 10-20 cm thick is expected. The short-period of the new ice formation may be expected up to the longitude Tallinn.

#### Weather forecast:

		17 янв	18	19	20	21
-7 -8	-8 -11	-5 МИН: -9	-2 -5	-2 -6	-4 -7	-2 -5
22	23	24	25	26	27	28
-3 -6	-6 -13	-8 -13	-10 -11	-2 -11	+1 -4	+1 -6
29	30	31	1 фев	2	3	4
+1 -3	-1 -6	+1 -2	+2 +1	+2 0	+2 0	0 -2
5	6	7	8	9	10	11
-2 -3	-3 -13	-11 -12	-2 -16	+1 0	+4 +2	+1 -1
12	13	14	15			
0 -3	-4 -5	+2 -1	+2 -2			

## **Navigation restrictions / requirements:**

### **- St. Petersburg port:**

Since 25.12.2017 it is announced icebreakers assistance period.

Since 19.01.2018 (in case of ice thickness 10-15 cm):

- tug + barge tandems will not be allowed to navigate in ice.

### **- Vyborg port:**

Since 26.12.2017 it is announced icebreakers assistance period.

Since 24.01.2018 (in case of ice thickness 10-15 cm):

- tug + barge tandems will not be allowed to navigate in ice;
- vessels without ice class – will be allowed to navigate in ice under icebreakers assistance only;
- vessels having ice class (Ice 1 / 1D or higher) – will be allowed to navigate in ice by own power following icebreakers permission/recommendations.

### **- Vysotsk port:**

Since 26.12.2017 it is announced icebreakers assistance period.

Since 29.01.2018 (in case of ice thickness 10-15 cm):

- tug + barge tandems will not be allowed to navigate in ice;
- vessels without ice class – will be allowed to navigate in ice under icebreakers assistance only;
- vessels having ice class (Ice 1 / 1D or higher) – will be allowed to navigate in ice by own power following icebreakers permission/recommendations.

### **- Primorsk port:**

Since 17.01.2018 it is announced icebreakers assistance period.

Since 26.01.2018 (in case of ice thickness 10-15 cm):

- tug + barge tandems will not be allowed to navigate in ice;
- vessels without ice class – will not be allowed to navigate in ice;
- vessels having ice class (Ice 1 / 1D) – will be allowed to navigate in ice under icebreakers assistance only;
- vessels having ice class (Ice 2 / 1C or higher) – will be allowed to navigate in ice by own power following icebreakers permission/recommendations.

### **- Ust-Luga port:**

Restrictions: N/A

\*First step of ice restrictions (for the min ice class) still expected at the end of January / in the beginning of February and, in any case, will be officially advised by Harbour Master's order 14 days in advance.

## **Icebreakers in service:**

Meeting point with icebreakers: N/A

- St. Petersburg port: i/b "Ivan Kruzenshtern";
- Vyborg/Vysotsk ports: i/b "Kapitan Izmailov".

All other local icebreakers are in stand by and ready to assist vessels during forthcoming winter navigation.

\*Harbour Master's office warning: All vessels navigating in ice should have necessary stores, fuel, fresh water and provision available on board for at least 20 days.

**Please note that since 01<sup>st</sup> of December till 30<sup>th</sup> of April winter rate of Ice dues is in force:**

Tankers: GT Reduced (less SBT) x 18,14 roubles x 2 (in & out) – Winter tariff (from 01.12 to 30.04)  
 Ro-Ro, Ro-Flow ships: GT x 6,36 roubles x 2 (in & out) – Winter tariff (from 01.12 to 30.04)  
 Container ships: GT x 11,58 roubles x 2 (in & out) – Winter tariff (from 01.12 to 30.04)  
 General cargo ships: GT x 16,55 roubles x 2 (in & out) – Winter tariff (from 01.12 to 30.04)

**Ice classes by Classification Societies:**

Classification Society	Ice Class				
Finnish-Swedish Ice Rules	1A Super	1A	1B	1C	Category II
Russian Maritime Register of Shipping (Rules 1995)	UL	L1	L2	L3	L4
Russian Maritime Register of Shipping (Rules 2008)	Arc 5	Arc 4	Ice 3	Ice 2	Ice 1
American Bureau of Shipping	A1	A0	Ice class 1B	Ice class C0	Ice class D0
Bureau Veritas	1A Super	1A	1B	1C	1D Ice Class
CASPPR, 1972	A	B	C	D	E
China Classification Society	Ice Class B1*	Ice Class B1	Ice Class B2	Ice Class B3	Ice Class B
Det Norske Veritas	ICE-1A* ICE-10	ICE-1A ICE-05	ICE-1B	ICE-1C	ICE-C
Germanischer Lloyd	E4	E3	E2	E1	E
Korean Register of Shipping	ISS	IS1	IS2	IS3	IS4
Lloyd's Register	1AS	1A	1B	1C	1D
Polish Register of Shipping	L1A	L1	L2	L3	L4
Nippon Kaiji Kyokai	IA Super	IA	IB	IC	ID
Registro Italiano Navale	IAS	IA	IB	IC	ID
Icebreaking capability, cm		>50	30-50	15-30	10-15

**Previous years' ice restrictions record:**

	restrictions introduced	restrictions lifted
2000/2001	February 5 <sup>th</sup>	April 17 <sup>th</sup>
2001/2002	January 1 <sup>st</sup>	April 4 <sup>th</sup>
2002/2003	December 9 <sup>th</sup>	May 5 <sup>th</sup>
2003/2004	February 1 <sup>st</sup>	April 19 <sup>th</sup>
2004/2005	February 2 <sup>nd</sup>	April 15 <sup>th</sup>
2005/2006	January 6 <sup>th</sup>	April 28 <sup>th</sup>
2006/2007	February 1 <sup>st</sup>	April 6 <sup>th</sup>
2007/2008	January 10 <sup>th</sup>	April 4 <sup>th</sup>
2008/2009	January 5 <sup>th</sup>	April 6 <sup>th</sup>
2009/2010	December 22 <sup>nd</sup>	April 26 <sup>th</sup>
2010/2011	December 6 <sup>th</sup>	May 7 <sup>th</sup>
2011/2012	January 27 <sup>th</sup>	April 26 <sup>th</sup> (1C, *1D under i/b assistance only)
2012/2013	December 24 <sup>th</sup>	May 4 <sup>th</sup> (1C, *1D under i/b assistance only)
2013/2014	December 10 <sup>th</sup>	March 18 <sup>th</sup> (1C)
2014/2015	January 10 <sup>th</sup>	April 6 <sup>th</sup> (1C, *1D under i/b assistance only)
2015/2016	January 12 <sup>th</sup>	April 11 <sup>th</sup> (1D)
2016/2017		
2017/2018		

<b>St. Petersburg</b>					
Year	Date	1D	1C	1B	1A
2015-2016	Entered	04.01.2016			
	Lifted	05.04.2016			
2014-2015	Entered	13.01.2015			
	Lifted	01.04.2015			
2013-2014	Entered	31.01.2014			
	Lifted	10.03.2014			
2012-2013	Entered	24.12.2012	04.02.2013		
	Lifted	26.04.2013	08.03.2013		
2011-2012	Entered	27.01.2012	20.02.2012		
	Lifted	25.04.2012	19.03.2012		

<b>Primorsk</b>					
Year	Date	1D	1C	1B	1A
2015-2016	Entered	17.01.2016			
	Lifted	29.03.2016			
2014-2015	Entered	07.02.2015	07.02.2015		
	Lifted	23.03.2015	23.03.2015		
2013-2014	Entered	28.01.2014	05.02.2014		
	Lifted	05.03.2014	05.03.2014		
2012-2013	Entered	27.12.2012	24.01.2013		
	Lifted	26.04.2013	22.04.2013		
2011-2012	Entered	01.02.2012	16.02.2012		
	Lifted	17.04.2012	19.03.2012		

<b>Ust-Luga</b>					
Year	Date	1D	1C	1B	1A
2015-2016	Entered				
	Lifted				
2014-2015	Entered				
	Lifted				
2013-2014	Entered	29.01.2014			
	Lifted	05.03.2014			
2012-2013	Entered	25.12.2012	01.02.2013		
	Lifted	26.04.2013	22.04.2013		
2011-2012	Entered	09.02.2012			
	Lifted	25.04.2012			

<b>Vyborg /Vysotsk</b>					
Year	Date	1D	1C	1B	1A
2015-2016	Entered	12.01.2016			
	Lifted	11.04.2016			
2014-2015	Entered	10.01.2015	04.02.2015		
	Lifted	06.04.2015	12.03.2015		
2013-2014	Entered	10.12.2013	12.02.2014		
	Lifted	18.03.2014	25.02.2014		
2012-2013	Entered	24.12.2012	10.01.2013		
	Lifted	04.05.2013	20.04.2013		
2011-2012	Entered	27.01.2012	16.02.2012		
	Lifted	26.04.2012	19.03.2012		