

Ice Report 07.01.2019

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.

In the harbours of St. Petersburg port there is crashed floating new ice with thickness 10-15 cm, further up to the longitude of Kotlin Island there is very close floating ice with thickness 5-10 cm, further up to the longitude of Shepelevskiy Lighthouse there is new ice, further up to the longitude of Seskar Island – mainly open water, further westward – mainly open water.





























In the top of Vyborg Bay and area of Vyborg/Vysotsk ports there is very close ice with thickness 10-15 cm, on approaches – new ice.

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

In the Luga Bay, area of Ust-Luga port and on approaches – mainly open water.

In general, it is still expected that ice conditions during the forthcoming winter season will be developing according to the mild or moderate winter type. The expected time of drifting ice appearance up to the longitude of Seskar Island – middle/end of January, up to the longitude of Gogland Island – beginning/middle of February. The maximum development of ice conditions, as usually, expected in the middle of March. In that period fast ice 40-60 cm thick is expected up to the longitude of Kronshtadt, further up to the Moshchnyy Island very close ice 30-50 cm thick, further up to the longitude of Gogland Island – very close ice 20-45 cm thick is expected, further up to the longitude of Vaindlo Island – close ice 15-30 cm thick is expected. The short-period of the new ice formation may be expected up to the longitude Tallinn.

Weather forecast:

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

Navigation restrictions / requirements:

- **St. Petersburg port:**

Since 10.12.2018 it is announced icebreakers assistance period.

Since 17.12.2018:

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

Since 10.01.2019:

- 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.

- **Vyborg port:**

Since 16.12.2018 it is announced icebreakers assistance period.

Since 10.01.2019:

- 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 04.01.2019 it is announced icebreakers assistance period.

Since 10.01.2019 (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 11.01.2019 (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.

- **Ust-Luga port:**

Restrictions: N/A

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

Russian Icebreaking Service, St. Petersburg Maritime Port Administration

Port	Current		Next			
	Starting time	Restriction	Starting time	Restriction	Starting time	Restriction
Saint-Petersburg	01.12.2018	• Small crafts	17.12.2018	• Barge towed by tug	10.01.2019	• Without ice class - only with Icebreaker
Vyborg	06.12.2018	• Small crafts	10.01.2019	• Barge towed by tug • Without ice class - only with Icebreaker		
Vysotsk	14.12.2018	• Small crafts	10.01.2019	• Barge towed by tug • Without ice class - only with Icebreaker		
Primorsk	07.12.2018	• Small crafts	11.01.2019	• Barge towed by tug • Without ice class - only with Icebreaker		
Ust'-Luga	01.12.2018	• Small crafts				

Icebreakers in service:

Meeting point with icebreakers: N/A

- St. Petersburg port: : i/b “Semen Dezhnev”, 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 01st of December till 30th 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

St. Petersburg					
Year	Date	1D	1C	1B	1A
2017-2018	Enter	24.02.2018	07.03.2018		
	Lift	14.04.2018	09.04.2018		
2016-2017	Enter	10.01.2017			
	Lift	25.04.2017			
2015-2016	Enter	04.01.2016			
	Lift	05.04.2016			
2014-2015	Enter	13.01.2015			
	Lift	01.04.2015			
2013-2014	Enter	31.01.2014			
	Lift	10.03.2014			
2012-2013	Enter	24.12.2012	04.02.2013		
	Lift	26.04.2013	08.03.2013		
2011-2012	Enter	27.01.2012	20.02.2012		
	Lift	25.04.2012	19.03.2012		
Primorsk					
Year	Date	1D	1C	1B	1A
2017-2018	Enter	26.01.2018	26.01.2018		
	Lift	20.04.2018	16.04.2018		
2016-2017	Enter	13.01.2017			
	Lift	25.04.2017			
2015-2016	Enter	17.01.2016			
	Lift	29.03.2016			
2014-2015	Enter	07.02.2015	07.02.2015		
	Lift	23.03.2015	23.03.2015		
2013-2014	Enter	28.01.2014	05.02.2014		
	Lift	05.03.2014	05.03.2014		
2012-2013	Enter	27.12.2012	24.01.2013		
	Lift	26.04.2013	22.04.2013		
2011-2012	Enter	01.02.2012	16.02.2012		
	Lift	17.04.2012	19.03.2012		
Ust-Luga					
Year	Date	1D	1C	1B	1A
2017-2018	Enter	10.02.2018	06.03.2018		
	Lift	12.04.2018	02.04.2018		
2016-2017	Enter	16.02.2017			
	Lift	21.04.2017			
2015-2016	Enter				
	Lift				
2014-2015	Enter				
	Lift				
2013-2014	Enter	29.01.2014			
	Lift	05.03.2014			
2012-2013	Enter	25.12.2012	01.02.2013		
	Lift	26.04.2013	22.04.2013		
2011-2012	Enter	09.02.2012			
	Lift	25.04.2012			
Vysotsk					
Year	Date	1D	1C	1B	1A
2017-2018	Enter	29.01.2018	22.02.2018		
	Lift	14.04.2018	03.04.2018		
2016-2017	Enter	10.01.2017			
	Lift	25.04.2017			
2015-2016	Enter	12.01.2016			
	Lift	11.04.2016			

2014-2015	Enter	10.01.2015	04.02.2015		
	Lift	06.04.2015	12.03.2015		
2013-2014	Enter	10.12.2013	12.02.2014		
	Lift	18.03.2014	25.02.2014		
2012-2013	Enter	24.12.2012	10.01.2013		
	Lift	04.05.2013	20.04.2013		
2011-2012	Enter	27.01.2012	16.02.2012		
	Lift	26.04.2012	19.03.2012		