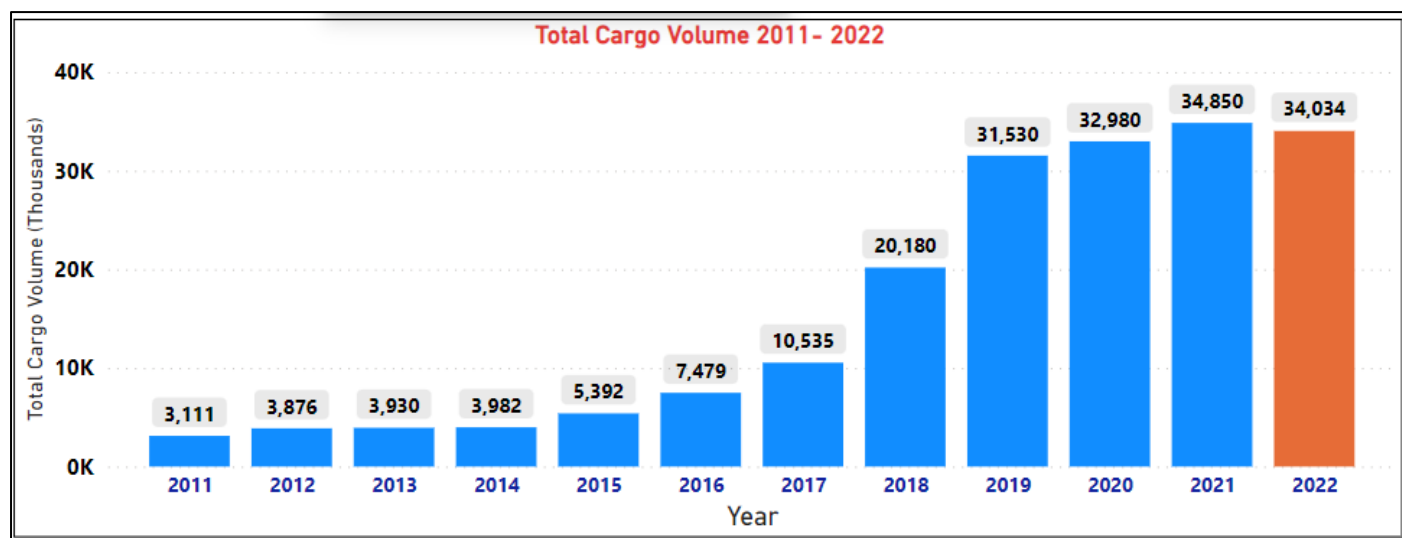


This report prepared by CHNL covers NSR (Northern Sea Route) shipping activities in 2022.

The main information source for the report is vessels' AIS data. Information on the amount and type of transit cargo in 2022 was obtained for each voyage individually from various sources. Total amount of cargo transported along the NSR in 2022 is taken from official reports of Rosatom. For today, the usage of other sources of information for checking the number of transit passages or transit cargo volumes recorded by our Center is not possible.

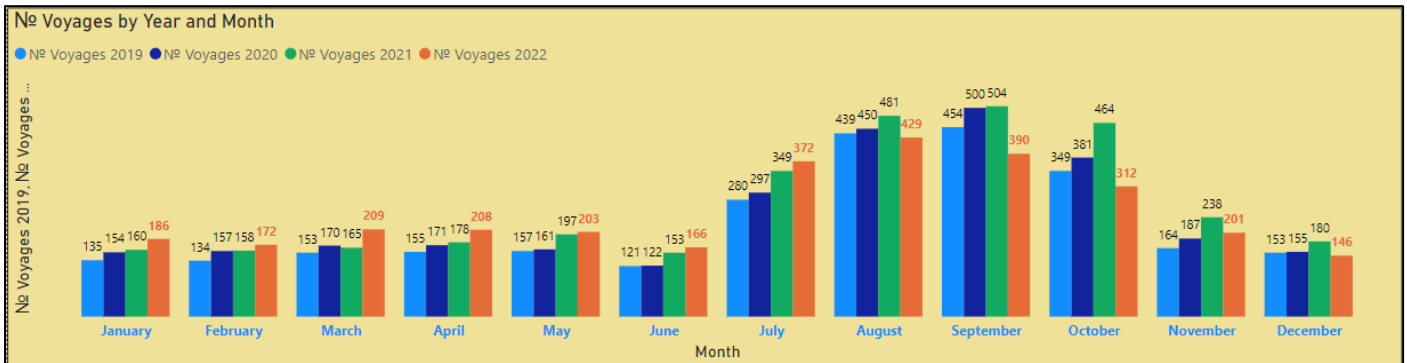


The total traffic volume on the Northern Sea Route in 2022 was 34,034 mln t. that is slightly less than the volume in 2021 – 34,850 mln t. Total number of voyages in 2022 was 2994, made by 314 vessels.



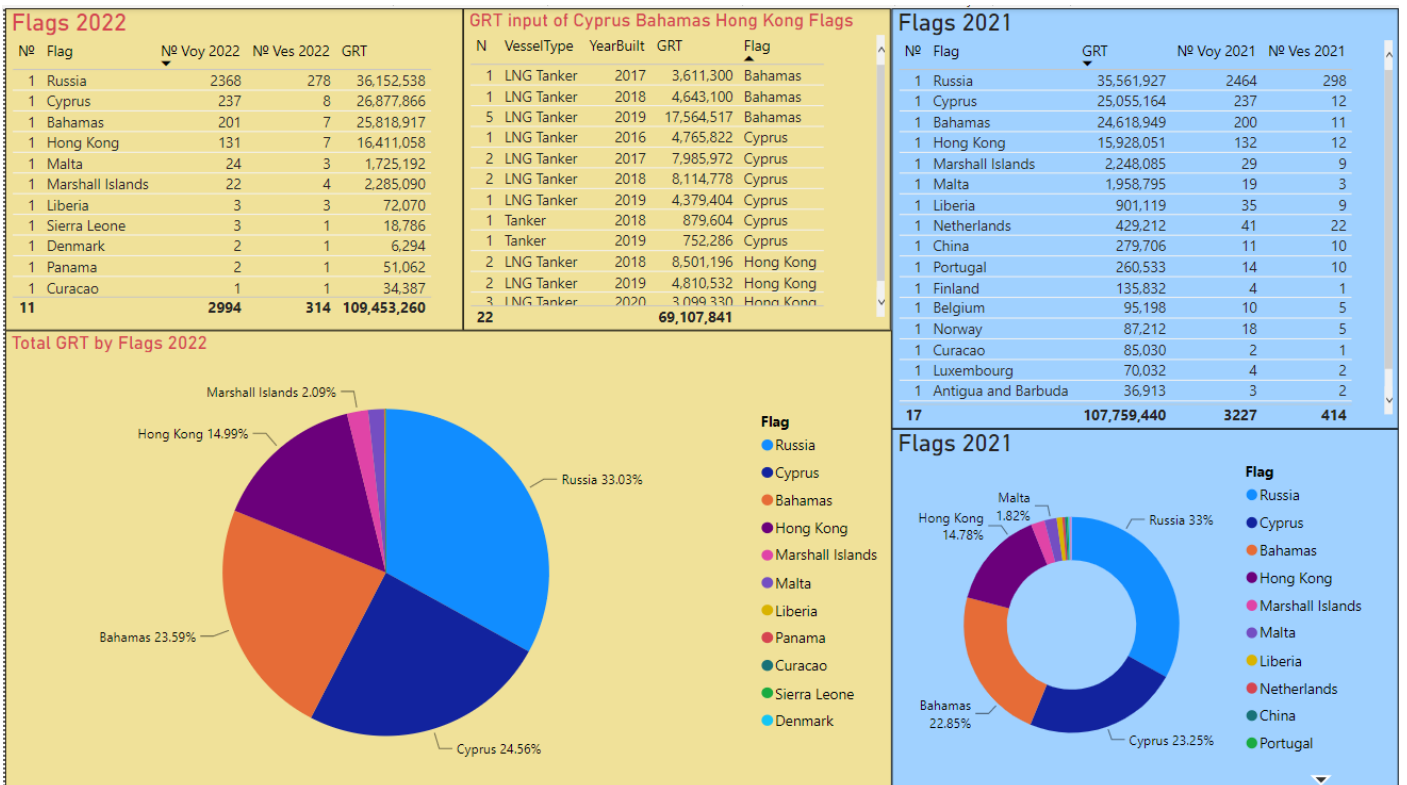
Last year 2021, there were registered 3227 voyages and 414 ships. In the first half of 2022, in the period between January and July, the number of voyages per month was higher than in 2021. However, it was fixed the decrease in the voyages and ships' number per month from August to December in comparison with 2021.

Month	Nº Voy 2019	Nº Voy 2020	Nº Voy 2021	Nº Voy 2022	Total GRT 2019	Total GRT 2020	Total GRT 2021	Total GRT 2022	Nº Ves 2019	Nº Ves 2020	Nº Ves 2021	Nº Ves 2022
January	135	154	160	186	7,289,593	8,719,540	8,525,390	9,691,883	39	52	55	69
February	134	157	158	172	7,553,512	8,359,748	8,014,401	8,641,762	40	53	55	66
March	153	170	165	209	7,938,066	8,785,682	8,975,912	10,365,051	45	55	62	69
April	155	171	178	208	8,296,553	8,811,571	8,926,827	10,017,875	47	56	64	68
May	157	161	197	203	8,342,514	8,038,499	9,785,027	9,606,990	49	58	68	69
June	121	122	153	166	7,326,024	6,422,327	7,692,856	9,035,704	43	53	65	58
July	280	297	349	372	8,106,167	8,377,633	9,135,970	8,832,547	131	171	203	175
August	439	450	481	429	9,073,140	8,819,356	8,448,785	9,022,695	177	193	226	204
September	454	500	504	390	8,607,805	9,017,289	9,650,014	8,602,194	188	226	252	198
October	349	381	464	312	7,917,502	9,259,734	10,146,734	9,179,839	173	196	263	176
November	164	187	238	201	8,372,274	8,093,901	9,161,586	8,184,102	72	92	119	97
December	153	155	180	146	8,439,035	8,753,265	9,295,938	8,272,618	52	63	70	62
Total	2694	2905	3227	2994	97,262,185	101,458,545	107,759,440	109,453,260	278	340	414	314



Judging by the difference in the number of ships per year - 100 vessels, it can be concluded that in 2022, in the summer-autumn period, fewer ships worked on the NSR, which made fewer voyages. At the same time, we noted an increase in traffic in the winter period, that led to the increase of total GRT in 2022 and it was exceeded the figure for 2021.

In 2022, 314 ships worked on the NSR under 11 different flags. 278 ships were under Russian flag and 36 ships under foreign flag. In terms of the ships' age, almost half of the fleet - 146 ships out of 314 were built more than 30 years ago, 73 ships are 1 to 10 years old, 46 ships are 11 to 20 years old, and 49 ships are 21 to 30 years old.



Among them are 8 Cyprus, 7 Bahamas, 7 Hong Kong, 4 Marshall Islands, 3 Liberia and 1 ship each under the flag of Sierra Leone, Denmark, Panama, and Curacao. The main fleet was LNG carriers - 26 vessels, 3 - bulk carriers, 3 - tankers, 3 - general cargo and 1 - supply vessel. For comparison, we point out that there were 414 vessels on the NSR under 17 different flags in 2021, among them 116 were under a foreign flag.

List of non-Russian flag Vessels at NSR in 2022

N	Vessel Name	Type	IMO	IceClass	Flag	Year Built	GRT	LOA	Nº Voy 2022	Total GRT
1	Eduard Toll	LNG Tanker	9750696	Arc 7	Bahamas	2017	128,975	300.00	28	3,611,300
1	Rudolf Samoilovich	LNG Tanker	9750713	Arc 7	Bahamas	2018	128,975	300.00	36	4,643,100
1	Georgiy Ushakov (LNG)	LNG Tanker	9750749	Arc 7	Bahamas	2019	128,969	299.00	34	4,384,946
1	Yakov Gakkal	LNG Tanker	9750672	Arc 7	Bahamas	2019	128,969	299.00	35	4,513,915
1	Boris Davydov	LNG Tanker	9768394	Arc 7	Cyprus	2018	128,806	299.00	31	3,992,986
1	Boris Vilkitskiy (LNG)	LNG Tanker	9768368	Arc 7	Cyprus	2017	128,806	299.00	30	3,864,180
1	Christophe de Margerie	LNG Tanker	9737187	Arc 7	Cyprus	2016	128,806	299.00	37	4,765,822
1	Fedor Litke	LNG Tanker	9768370	Arc 7	Cyprus	2017	128,806	299.00	32	4,121,792
1	Georgiy Brusilov	LNG Tanker	9768382	Arc 7	Cyprus	2018	128,806	299.00	32	4,121,792
1	Nikolay Evgenov	LNG Tanker	9750725	Arc 7	Bahamas	2019	128,806	299.00	31	3,992,986
1	Nikolay Urvantsev	LNG Tanker	9750660	Arc 7	Hong Kong	2019	128,806	299.00	32	4,121,792
1	Nikolay Zubov	LNG Tanker	9768526	Arc 7	Cyprus	2019	128,806	299.00	34	4,379,404
1	Vladimir Rusanov (LNG)	LNG Tanker	9750701	Arc 7	Hong Kong	2018	128,806	299.00	33	4,250,598
1	Vladimir Vize	LNG Tanker	9750658	Arc 7	Hong Kong	2018	128,806	299.00	33	4,250,598
1	Vladimir Voronin	LNG Tanker	9750737	Arc 7	Bahamas	2019	128,806	299.00	29	3,735,374
1	Yamal Spirit	LNG Tanker	9781920	No Ice Class	Bahamas	2019	117,162	294.00	8	937,296
1	LNG Dubhe	LNG Tanker	9834296	No Ice Class	Hong Kong	2019	114,790	289.00	6	688,740
1	LNG Megrez	LNG Tanker	9834325	No Ice Class	Hong Kong	2020	114,790	295.00	8	918,320
1	LNG Merak	LNG Tanker	9834301	No Ice Class	Hong Kong	2020	114,790	295.00	10	1,147,900
1	LNG Phecda	LNG Tanker	9834313	No Ice Class	Hong Kong	2020	114,790	291.00	9	1,033,110
1	Clean Horizon	LNG Tanker	9655444	Arc 4	Malta	2015	105,943	289.00	12	1,271,316
1	Clean Ocean	LNG Tanker	9637492	Arc 4	Marshall Islands	2014	105,943	289.00	8	847,544
1	Clean Planet	LNG Tanker	9637507	Arc 4	Marshall Islands	2014	105,943	289.00	6	635,658
1	Clean Vision	LNG Tanker	9655456	Arc 4	Malta	2016	105,943	289.00	2	211,886
1	Lena River	LNG Tanker	9629598	Arc 4	Marshall Islands	2013	100,236	288.00	4	400,944
1	Yenisey River	LNG Tanker	9629586	Arc 4	Marshall Islands	2013	100,236	288.00	4	400,944
1	EGOR LETOV	Bulk	9609732	Ice 3	Liberia	2012	40,972	225.00	1	40,972
1	Boris Sokolov	Tanker	9817315	Arc 7	Cyprus	2018	39,982	214.00	22	879,604
1	Yurii Kuchiev	Tanker	9804033	Arc 7	Cyprus	2019	39,594	229.00	19	752,286
1	Audax	General cargo	9763837	Arc 7	Curacao	2016	34,387	206.00	1	34,387
1	POLA ANISIA (LAGO DI NEMI)	Bulk	9303869	No Ice Class	Panama	2006	25,531	183.00	2	51,062
1	Pola Indian	Bulk	9659787	Ice 2	Malta	2014	24,199	180.00	10	241,990
1	Elara	General cargo	9437323	Arc 4	Liberia	2010	15,549	133.00	1	15,549
1	Sapodilla	General cargo	9418999	Arc 4	Liberia	2010	15,549	166.00	1	15,549
1	Callisto	Tanker	9040077	Arc 4	Sierra Leone	1992	6,262	124.00	3	18,786
1	Odin Express (Bering)	Supply	9104029	Ice 2	Denmark	1996	3,147	83.00	2	6,294
36									626	73,300,722

The main contribution to the NSR cargo turnover in 2022 was made by LNG transportation. 280 voyages with LNG were made from the Sabetta port. In 2021 - 263 voyages.

N	Vessel Name	Ice Class	2020	2021	2022
1	Clean Horizon	Arc 4	2	5	6
1	Clean Ocean	Arc 4	4	4	4
1	Clean Planet	Arc 4	4		3
1	Clean Vision	Arc 4	3	4	1
1	Lena River	Arc 4	3	2	2
1	Yenisey River	Arc 4	4	2	2
1	Boris Davydov	Arc 7	15	13	16
1	Boris Vilkitskiy (LNG)	Arc 7	15	16	15
1	Christophe de Margerie	Arc 7	15	15	18
1	Eduard Toll	Arc 7	15	16	14
1	Fedor Litke	Arc 7	15	16	16
1	Georgiy Brusilov	Arc 7	15	17	16
1	Georgiy Ushakov (LNG)	Arc 7	15	17	17
1	Nikolay Evgenov	Arc 7	17	12	15
1	Nikolay Urvantsev	Arc 7	17	16	16
1	Nikolay Zubov	Arc 7	14	14	17
1	Rudolf Samoilovich	Arc 7	16	15	18
1	Vladimir Rusanov (LNG)	Arc 7	14	15	16
1	Vladimir Vize	Arc 7	16	17	16
1	Vladimir Voronin	Arc 7	14	15	14
1	Yakov Gakkal	Arc 7	16	14	18
1	LNG Dubhe	No Ice Class	3	4	3
1	LNG Megrez	No Ice Class		4	4
1	LNG Merak	No Ice Class	1	3	5
1	LNG Phecda	No Ice Class	1	4	4
1	Yamal Spirit	No Ice Class		3	4
26			254	263	280

Table shows number of LNG carriers export voyages from Sabetta in 2020-2022.

26 different vessels were involved in the export of LNG. 15 of them have ice class Arc-7 and work year-round for this project 11 additional vessels have ice class Arc-4 (6 ships) or No ice class (5). They were involved in transportation during summer-autumn period.

2020

254

Voyages

2021

263

Voyages

2022

280

Voyages

We see increase in the total number of LNG voyages from Sabetta from 263 in 2021 to 280 in 2022.

The difference is 17 voyages:

14 of them is an increase made by vessels with Arc-7 ice class other 3 voyages made by ships with lower Ice class additionally hired in the summer-autumn period.

15 LNG carriers Arc 7 ice class, 6 LNG carriers Arc 4 and 5 LNG carriers with no ice class used in 2022.

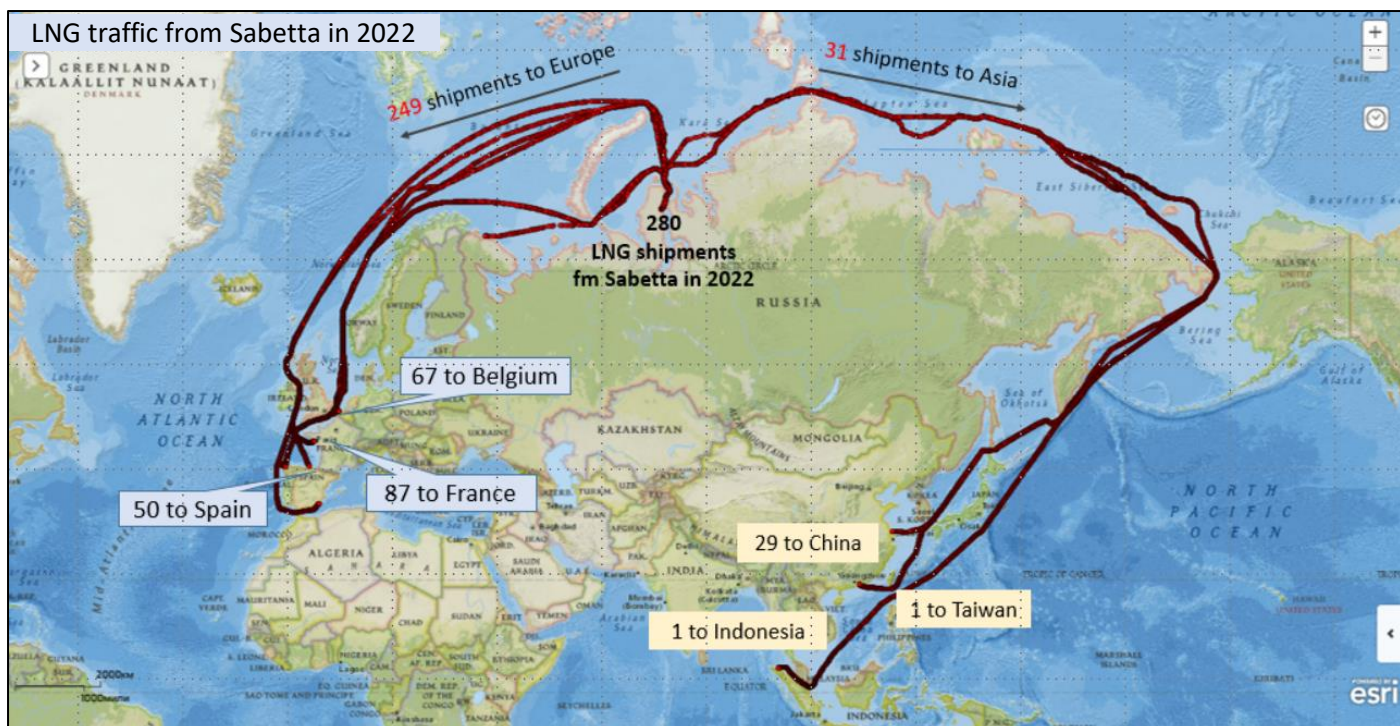
15 Arc-7 LNG carries / year-round operation						6 LNG carriers Arc-4 ice class 5 LNG carriers with No ice class During summer-outhern period					
N	Vessel Name	Ice Class	2020	2021	2022	N	VesselName	IceClass	2020	2021	2022
1	Boris Davydov	Arc 7	15	13	16	1	Clean Horizon	Arc 4	2	5	6
1	Boris Vilkitskiy (LNG)	Arc 7	15	16	15	1	Clean Ocean	Arc 4	4	4	4
1	Christophe de Margerie	Arc 7	15	15	18	1	Clean Planet	Arc 4			3
1	Eduard Toll	Arc 7	15	16	14	1	Clean Vision	Arc 4	3	4	1
1	Fedor Litke	Arc 7	15	16	16	1	Lena River	Arc 4	3	2	2
1	Georgiy Brusilov	Arc 7	15	17	16	1	Yenisey River	Arc 4	4	2	2
1	Georgiy Ushakov (LNG)	Arc 7	15	17	17	1	LNG Dubhe	No Ice Class	3	4	3
1	Nikolay Evgenov	Arc 7	17	12	15	1	LNG Megrez	No Ice Class		4	4
1	Nikolay Urvantsev	Arc 7	17	16	16	1	LNG Merak	No Ice Class	1	3	5
1	Nikolay Zubov	Arc 7	14	14	17	1	LNG Phecda	No Ice Class	1	4	4
1	Rudolf Samoilovich	Arc 7	16	15	18	1	Yamal Spirit	No Ice Class		3	4
1	Vladimir Rusanov (LNG)	Arc 7	14	15	16	11			25	35	38
1	Vladimir Vize	Arc 7	16	17	16						
1	Vladimir Voronin	Arc 7	14	15	14						
1	Yakov Gakkel	Arc 7	16	14	18						
15			229	228	242						

There were 32 more voyages to Europe in 2022 than in 2021 and most of them were to the ports of France, Belgium, and Spain.

But the number of voyages with LNG to Asian countries in 2022 decreased by 14 voyages. At the same time, exports to China did not change, but there were no deliveries to Japan and South Korea at all.

LNG Export Direction	2020	2020 %	2021	2021 %	2022	2022 %	Change 21-22	2022 Results
<input checked="" type="checkbox"/> To West (Mainly to Europe)	221	87%	219	83%	249	89%	30	Europe +32
France	58	23%	60	23%	87	31%	27	France +27
Spain	30	12%	30	11%	50	18%	20	Spain +22
Belgium	62	24%	53	20%	67	24%	14	Belgium +14
Russia	1	0%	9	3%	15	5%	6	Spain +22
Taiwan					1	0%	1	UK -26
China	3	1%	3	1%	2	1%	-1	*****
Denmark	3	1%	1	0%			-1	Asia - 14
Norway	10	4%	1	0%			-1	China no changes
Portugal	6	2%	7	3%	3	1%	-4	Japan - 10
Netherlands	26	10%	26	10%	21	8%	-5	S.Korea - 5
UK	22	9%	29	11%	3	1%	-26	*****
<input checked="" type="checkbox"/> To East (mainly to Asia)	33	13%	44	17%	31	11%	-13	Remarks.
China	22	9%	28	11%	29	10%	1	*Russia
Indonesia					1	0%	1	Transshipment at Kildin Island near Murmansk port.
Taiwan	4	2%	1	0%	1	0%	0	**China and Taiwan
Russia	1	0%						Voyages from Sabetta to China / Taiwan via Suez Canal (going westward from Sabetta).
South Korea	2	1%	5	2%			-5	
Japan	4	2%	10	4%			-10	
Total	254	100%	263	100%	280	100%	17	

As per information provided by Rosatom, the total volume of LNG transported via the NSR in 2022 increased by 1,258 mln t. compared to year 2021.

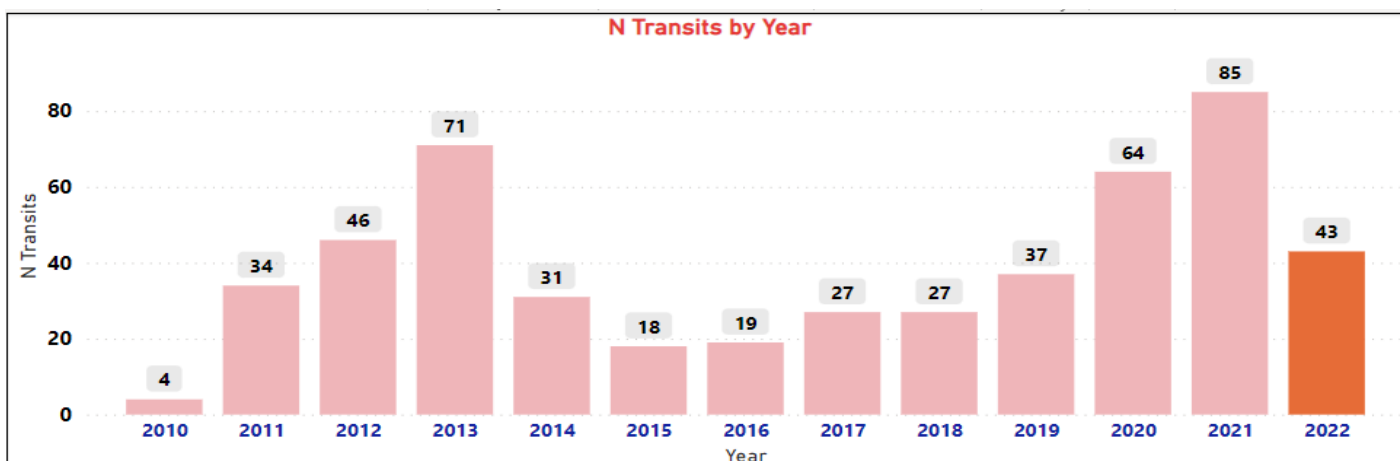


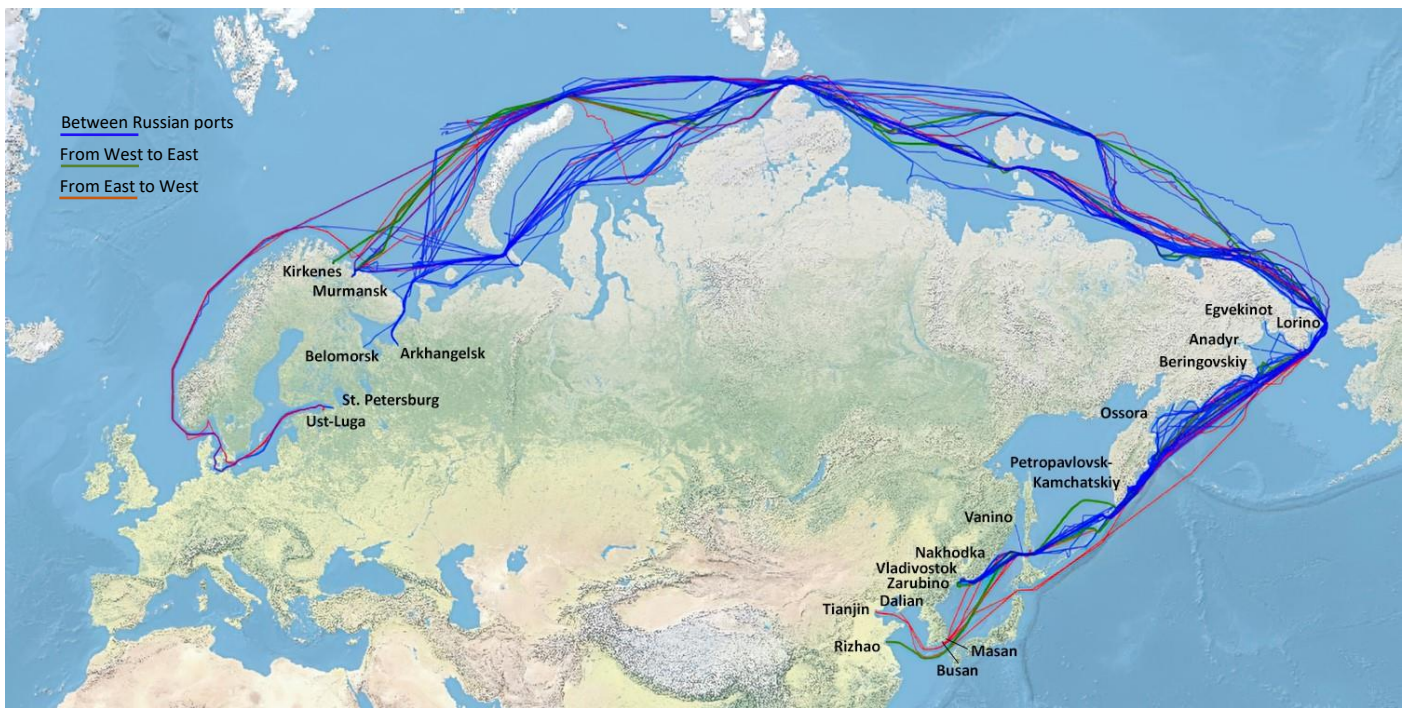
As we do not have details on how total transported cargo distributed, we use “Total GRT” parameter to evaluate contribution to NSR traffic of each vessel type.

Vessel Types 2022					Vessel Types 2021				
Vessel Type	Nº Voy 2022	Nº Ves 2022	GRT	% GRT	VesselType	Nº Voy 2021	Nº Ves 2021	GRT	%GT GRT
LNG Tanker	564	26	71,244,243	65.09%	LNG Tanker	528	25	66,716,979	61.91%
Tanker	660	43	20,309,544	18.56%	Tanker	705	47	20,900,255	19.40%
Icebreaker	345	18	7,115,437	6.50%	Icebreaker	354	18	6,453,033	5.99%
General cargo	750	95	5,414,988	4.95%	General cargo	800	131	6,011,234	5.58%
Container	194	8	3,050,192	2.79%	Container	177	9	2,732,758	2.54%
Bulk	68	10	1,266,529	1.16%	Bulk	94	24	2,714,894	2.52%
Research	92	22	279,942	0.26%	Heavy Load	26	11	550,199	0.51%
Supply	83	13	242,889	0.22%	Supply	156	22	497,384	0.46%
Drill rig	3	1	163,350	0.15%	Research	138	31	456,898	0.42%
Tug	141	41	92,738	0.08%	Dredger	37	18	343,916	0.32%
Fishing	42	20	87,027	0.08%	Drill rig	6	3	154,684	0.14%
SAR	18	5	61,649	0.06%	Tug	141	53	110,678	0.10%
Reefer	6	3	53,368	0.05%	SAR	17	6	41,988	0.04%
Dredger	11	4	32,007	0.03%	Fishing	25	6	25,482	0.02%
Cable Layer	2	1	20,210	0.02%	Drilling	5	1	17,875	0.02%
Drilling	4	1	14,300	0.01%	Hopper	12	5	14,310	0.01%
Hopper	7	3	4,807	0.00%	Reefer	5	3	13,812	0.01%
Yacht	4	1	40	0.00%	Passenger	1	1	3,061	0.00%
Total	2994	314	109,453,260	100.00%	Total	3227	414	107,759,440	100.00%

Transit voyages via the NSR in 2022.

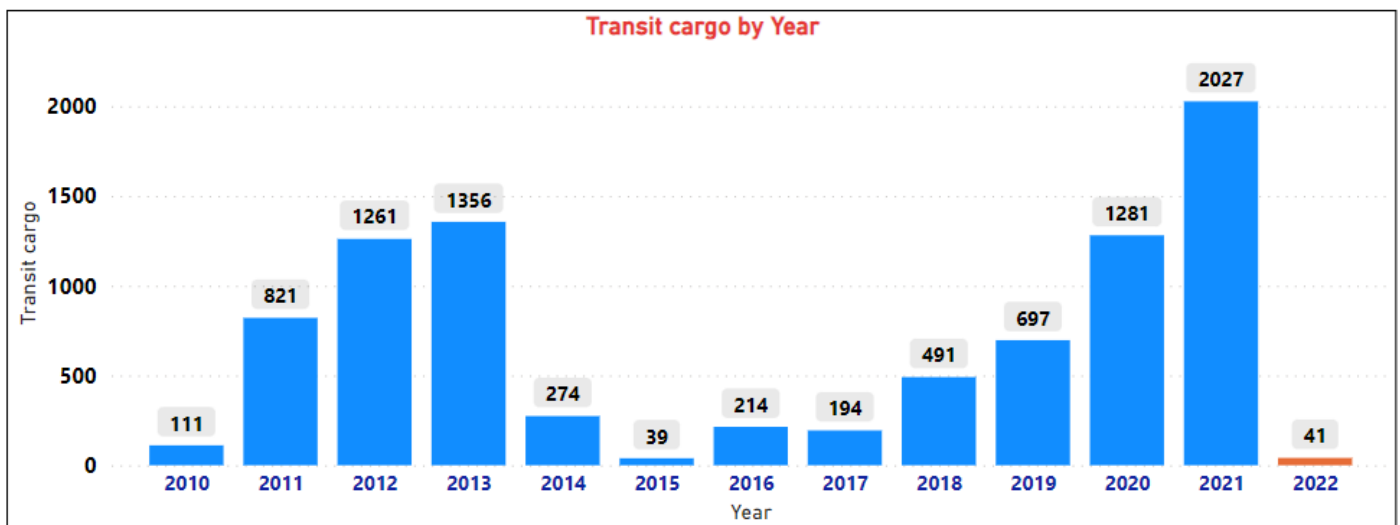
Total amount of transit voyages in 2022 is 43: 18 in the eastern direction and 25 to the west.





Over the last years, there were usually more transits eastward. So, in 2021 there were 85 transit voyages in total and among them 48 were to the east and 37 in the west direction. The key distinctive characteristic of the transit navigation on the NSR in 2022 is the extremely low quantity of transshipped cargo.

According to our estimates, the total amount of transit cargo amounted to 41,5 thousand tons (1 281 thousand tons were in 2020 and 2 027 thousand tons in 2021).

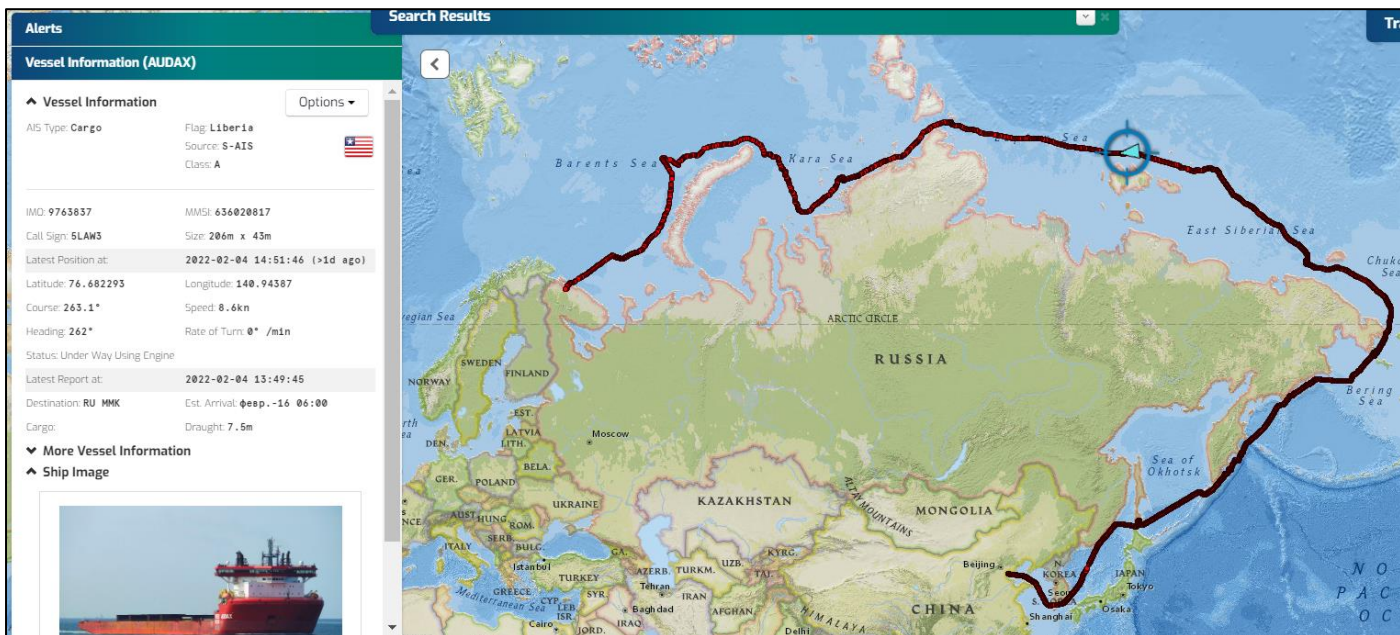


Transits with Cargo on board

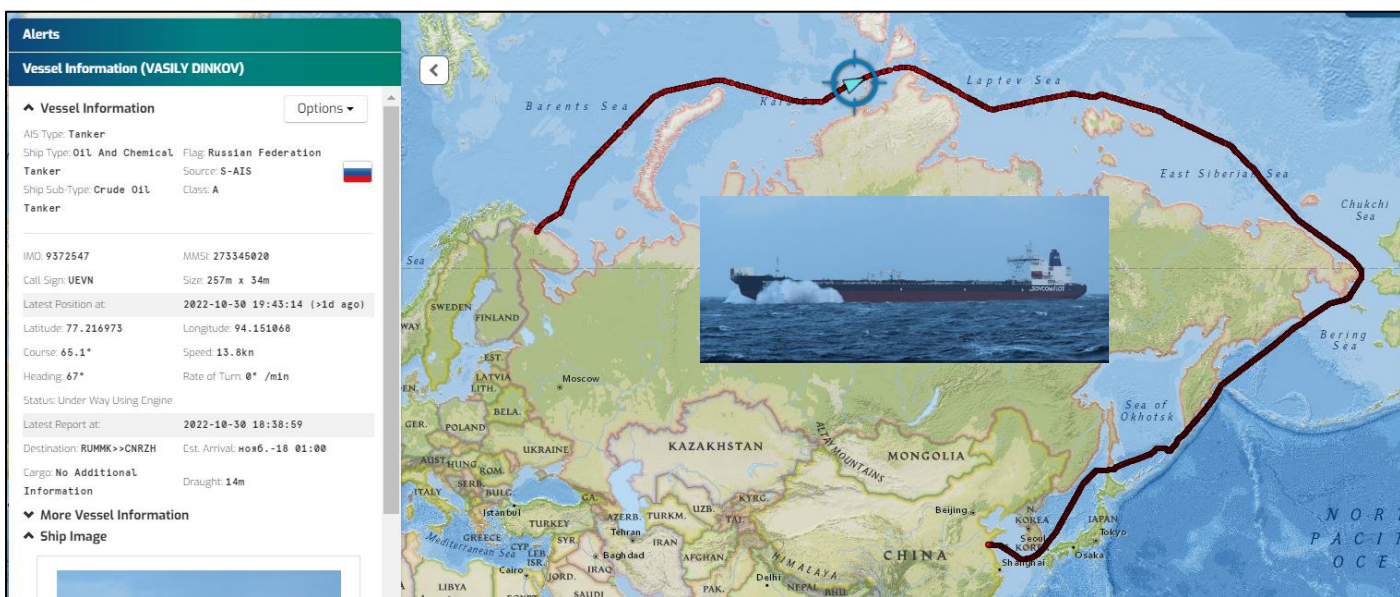
N	Name	LOA	Flag	Type	Ice Class	Dep_Country	Dep_Port	Dep_Date	Arrival Date	Arr_Country	Arr_Port	Cargo Tons	Cargo Type
1	Audax	206	Curacao	General cargo	Arc 7	China	Tianjin	29-Dec-21	17-Feb-22	Russia	Murmansk	12,000	LNG Modul
1	Monchegorsk	169	Russia	Container	Arc 7	Russia	Nakhodka	01-Nov-22	24-Nov-22	Russia	Murmansk	6,190	Containers
1	PANDAR	116	Russia	Tanker	Ice 2	Russia	P. Kamchatskiy	09-Oct-22	02-Nov-22	Russia	Arkhangelsk	3,900	Oil products
1	Elara	133	Liberia	General cargo	Arc 4	South Korea	Masan	12-Aug-22	10-Sep-22	Russia	Ust-Luga	3,516	General cargo
1	GELIODOR	79	Russia	Tanker	Ice 2	Russia	Arkhangelsk	26-Aug-22	12-Sep-22	Russia	Anadyr	2,300	Oil products
1	Sevmorput	260	Russia	Container	Arc 5	Russia	Nakhodka	10-Nov-22	15-Dec-22	Russia	St. Petersburg	2,287	General cargo
1	Mys Zhelaniya	143	Russia	General cargo	Arc 4	China	Tianjin	08-Sep-22	05-Oct-22	Russia	Murmansk	2,234	General cargo
1	Callisto	124	Sierra Leone	Tanker	Arc 4	Russia	P. Kamchatskiy	03-Aug-22	27-Aug-22	Russia	Arkhangelsk	2,219	Oil products
1	Sevmorput	260	Russia	Container	Arc 5	Russia	St. Petersburg	09-Oct-22	29-Oct-22	Russia	Nakhodka	2,079	General cargo
1	Ruslana	120	Russia	General cargo	Arc 4	South Korea	Masan	25-Jun-22	05-Aug-22	Russia	Ust-Luga	1,776	General cargo
1	Sevmorput	260	Russia	Container	Arc 5	Russia	Murmansk	08-Jul-22	21-Jul-22	Russia	P. Kamchatskiy	1,000	General cargo
1	Sevmorput	260	Russia	Container	Arc 5	Russia	P. Kamchatskiy	29-Jul-22	10-Aug-22	Russia	Murmansk	782	General cargo
1	Svyatoy Petr	127	Russia	Tanker	Arc 4	Russia	Beringovskiy	06-Jul-22	30-Jul-22	Russia	Arkhangelsk	390	Oil products
1	ATLANTIC	82	Russia	Fishing	Ice 1	Russia	Barents Sea	24-Sep-22	15-Oct-22	Russia	Zarubino	163	Fish and seafood
1	Arctic	84	Russia	Supply	No Ice Class	Russia	Barents Sea	08-Sep-22	11-Oct-22	Russia	Zarubino	153	Fish and seafood
1	Odin Express (Bering)	83	Denmark	Supply	Ice 2	Russia	Barents Sea	29-Sep-22	17-Oct-22	Russia	Vladivostok	150	Fish and seafood
1	OLAFSSON	71	Russia	Fishing	Ice 1	Russia	Barents Sea	22-Sep-22	09-Oct-22	Russia	Vladivostok	139	Fish and seafood
1	PACIFIC HUNTER	67	Russia	Fishing	Ice 1	Russia	Barents Sea	24-Sep-22	17-Oct-22	Russia	Zarubino	99	Fish and seafood
1	Jupiter	68	Russia	Fishing	Ice 1	Russia	Barents Sea	27-Sep-22	21-Oct-22	Russia	Zarubino	81	Fish and seafood
19												41,458	

The vessels with cargo carried insignificant amounts of oil products (8 809 tons in total), fish products (784 tons), general cargo (13 675 tons) and containers (6 190 tons). Separately noted the transshipment of a heavy module (12 000

tons) for the LNG plant carried by vessel Audax in the beginning of 2022. The voyage started in the late December in 2021 in China and finished in Murmansk on the 17th of February 2022.



Among other large vessels passed the NSR by transit was tanker Vasily Dinkov (GRT – 49 597, LOA - 257 m) that went from Murmansk to China in October-November without cargo.



Also, bulker Egor Letov (GRT – 40 972, LOA – 225 m) passed via the NSR in ballast from the Busan port (South Korea) to the Ust-Luga port in August-September.



The nuclear container ship Sevmorput (GRT – 38 226, LOA – 260 m) made 5 transits. The first voyage was the return one, without cargo in January-February from Vladivostok to Murmansk. The other 4 voyages were between western and eastern Russian ports in the period from July to December. The container ship Monchegorsk (GRT – 16 994, LOA – 169 m, belonged to Norilsk Nickel) carried 383 containers that is 6 190 tons, from Nakhodka to Murmansk in November.

24 transits along the NSR were in ballast, without cargo onboard 8 voyages to the east and 16 to the west. Among these 24: 13 were made by fishing vessels, 1 – by bulker, 2 – container ships, 2 – general cargo, 1 – icebreaker, 1 – rescue vessel, 3 – supply vessels and 2 – tankers.

Transits without Cargo												
N	Name	LOA	Flag	Type	Ice Class	Dep_Country	Dep_Port	Dep_Date	Arrival Date	Arr_Country	Arr_Port	Cargo Type
1	EGOR LETOV	225	Liberia	Bulk	Ice 3	South Korea	Busan	23-Aug-22	21-Sep-22	Russia	Ust-Luga	no cargo
1	Sevmorput	260	Russia	Container	Arc 5	Russia	Vladivostok	17-Jan-22	23-Feb-22	Russia	Murmansk	no cargo
1	KAPITAN RUSANOV	53	Russia	Fishing	No Ice Class	China	Dalian	10-Sep-22	11-Oct-22	Russia	Murmansk	no cargo
1	ELLADORA	60	Russia	Fishing	Ice 1	Norway	Kirkenes	21-Oct-22	22-Nov-22	Russia	Vladivostok	no cargo
1	Alsey	66	Russia	Fishing	No Ice Class	Russia	Barents Sea	26-Sep-22	20-Oct-22	Russia	Vladivostok	no cargo
1	OLAFSSON	71	Russia	Fishing	Ice 1	Russia	Bering Sea	13-Aug-22	30-Aug-22	Russia	Barents Sea	no cargo
1	PACIFIC HUNTER	67	Russia	Fishing	Ice 1	Russia	Bering Sea	15-Aug-22	30-Aug-22	Russia	Barents Sea	no cargo
1	Jupiter	68	Russia	Fishing	Ice 1	Russia	Lorino	16-Aug-22	31-Aug-22	Russia	Barents Sea	no cargo
1	KAPITAN VDOVICHENKO	108	Russia	Fishing	Ice 3	Russia	Murmansk	01-Oct-22	14-Oct-22	Russia	P. Kamchatskiy	no cargo
1	ALEKSANDRA	54	Russia	Fishing	Ice 3	Russia	P. Kamchatskiy	02-Sep-22	20-Sep-22	Russia	Barents Sea	no cargo
1	ARKA-35	55	Russia	Fishing	No Ice Class	Russia	P. Kamchatskiy	02-Sep-22	19-Sep-22	Russia	Barents Sea	no cargo
1	ARKA-36	59	Russia	Fishing	No Ice Class	Russia	P. Kamchatskiy	02-Sep-22	19-Sep-22	Russia	Barents Sea	no cargo
1	MATRITSA	57	Russia	Fishing	No Ice Class	Russia	P. Kamchatskiy	08-Sep-22	23-Sep-22	Russia	Barents Sea	no cargo
1	Alsey	66	Russia	Fishing	No Ice Class	Russia	Vladivostok	08-Aug-22	30-Aug-22	Russia	Barents Sea	no cargo
1	ATLANTIC	82	Russia	Fishing	Ice 1	Russia	Vladivostok	13-Aug-22	08-Sep-22	Russia	Barents Sea	no cargo
1	ANATOLIY CHERNEEV	75	Russia	General cargo	Ice 2	Russia	Belomorsk	08-Sep-22	08-Oct-22	Russia	P. Kamchatskiy	no cargo
1	Sapodilla	166	Liberia	General cargo	Arc 4	Russia	Vanino	21-Sep-22	10-Oct-22	Russia	Murmansk	no cargo
1	Novorossiysk	120	Russia	Icebreaker	Icebreaker 6	Russia	Vladivostok	25-Jul-22	16-Aug-22	Russia	Murmansk	no cargo
1	Kapitan Martyshkin	82	Russia	SAR	Arc 4	Russia	Murmansk	21-Aug-22	17-Sep-22	Russia	Vladivostok	no cargo
1	Vladislav Strizhov	99	Russia	Supply	Icebreaker 6	Russia	Murmansk	03-Aug-22	26-Aug-22	Russia	Vladivostok	no cargo
1	Arctic	84	Russia	Supply	No Ice Class	Russia	Vladivostok	15-Aug-22	08-Sep-22	Russia	Barents Sea	no cargo
1	Odin Express (Bering)	83	Denmark	Supply	Ice 2	Russia	Vladivostok	17-Aug-22	07-Sep-22	Russia	Barents Sea	no cargo
1	Alexander Nevskiy	144	Russia	Tanker	Arc 4	Russia	Egvekinot	23-Aug-22	07-Sep-22	Russia	Arkhangelsk	no cargo
1	VASILY DINKOV	257	Russia	Tanker	Arc 6	Russia	Murmansk	27-Oct-22	23-Nov-22	China	Rizhao	no cargo

In 2022, there was not a single fully international transit via the NSR, means a transit voyage from one non-Russian port to another non-Russian port. The most of transits - 35 - were carried out between Russian ports. The other 8 transit voyages were between Russian and foreign ports. Among them 3 were from China to Murmansk, 3 - from South Korea to the port of Ust-Luga, 1 - from Kirkenes to Vladivostok and 1 - from Murmansk to China.

Summing up, it can be stated that there was a sharp decline in the volume of cargo transported in transit via the NSR in 2022. The predominance of transit traffic inside Russia and almost complete absence of international cargos.

Flag / Transits 2022				Flags / Transits 2021			
N	Flag	Nº Voyages 2022	GRT	N	Flag	Nº Voy 2021	GRT
1	Russia	36	366,517	1	Portugal	14	260,533
1	Liberia	3	72,070	1	Marshall Islands	13	598,653
1	Curacao	1	34,387	1	Russia	13	121,649
1	Denmark	2	6,294	1	China	11	279,706
1	Sierra Leone	1	6,262	1	Liberia	11	565,409
5		43	485,530	1	Netherlands	8	108,201
				1	Hong Kong	7	247,781
				1	Bahamas	3	261,388
				1	Finland	3	101,874
				1	Antigua and Barbuda	1	11,473
				1	Cyprus	1	128,806
				1	Malta	1	51,821
				12		86	2,737,294