

# Eisbericht Nr. 46

## Amtsblatt des BSH

Jahrgang 97

Nr. 46

Monday, 22.01.2024

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### Übersicht

In der Bottenwiek befindet sich in den nördlichen Schären bis 60 cm dickes, in den südlichen bis 40 cm dickes Festeis. Daran anschließend liegt im Norden, Nordosten und Nordwesten 5–15 cm dickes, ebenes Eis. Auf See treibt ansonsten meist 20–50 cm dickes, sehr dichtes Eis, örtlich aufgepresst und übereinandergeschoben. An den Küsten von Norra Kvarken liegt bis 40 cm dickes Festeis. Auf See treibt im Nordosten sehr dichtes bis 40 cm dickes Eis, ansonsten lockeres 2–15 cm dickes Eis. An den Küsten der Bottensee kommt im Osten bis 40 cm und im Westen bis 25 cm dickes Festeis vor. Davor treibt im Westen meist sehr lockeres bis lockeres Eis und im Osten ein dünnes Band sehr dichtes Eis. Das Schärenmeer ist mit ebenen Eis bedeckt. Im Osten und Norden des Finnischen Meerbusens liegt bis 45 cm dickes Festeis und ganz im Osten treibt auf See sehr dichtes, bis 30 cm dickes Eis. Im Rigaischen Meerbusen kommt im Nordosten bis zu 35 cm dickes Festeis vor und entlang der nördlichen Küste treibt dichtes bis sehr dichtes Treibeis. Ansonsten kommt im Mälaren, Vänern und Norwegianischen Fjords etwas dickeres Eis vor und dünnes Eis und Neueis oder Resteis ist in geschützten Bereichen örtlich bis in die Nordsee hinein zu finden.

### Overview

In the Bay of Bothnia there is fast ice in the archipelagos, up to 60 cm thick in the north and up to 40 cm thick in the south. Off the fast ice in the north, northeast and northwest there is 5–15 cm thick level ice. Else at sea there is mostly 20–50 cm thick very close ice, ridged and rafted at places. In the Quark there is up to 40 cm thick fast ice at the coasts. At sea there is up to 40 cm thick very close ice in the northeast and elsewhere open 2–15 cm thick drift ice. At the coasts of the Sea of Bothnia there fast ice, up to 40 cm thick in the east and up to 25 cm thick in the west. Further out there is very open to open drift ice in the west and a narrow band of very open ice in the east. Level ice covers the Archipelago Sea. There is up to 45 cm thick fast ice at the eastern and northern coast of the Gulf of Finland. In the easternmost part there is up to 30 cm thick very close ice at sea. In the Gulf of Riga there is up to 35 cm thick fast ice in the northeast along the northern coast there is close to very close drift ice. Else thicker ice is present in the Mälaren, Vänern and Norwegian fjords and thin ice, new ice or ice remnants are found in some sheltered areas all the way to the North Sea.

### Bay of Bothnia

In the archipelagos of the Bay of Bothnia there is fast ice with some consolidated ice further out; 20–45 cm thick in the northwest, 40–60 cm thick in the northeast and up to 25–40 cm thick in the southern

part. In the northeast the fast ice stretches out to Malören, Kemi-3, Oulu-3 and Raahe. Off the fast ice in the north and east, there is wide zone with mostly 5–15 cm thick level ice. Off the fast ice in

### Herstellung und Vertrieb

Bundesamt für Seeschiffahrt und Hydrographie (BSH)  
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the west is a band of 5–15 cm thick level ice with new ice at places. At sea there is mostly 20–50 cm thick, rafted and ridged, very close ice. Outside the Swedish coast in the south there is level ice fol-

lowed by 15–30 cm thick, very close ice. With temperatures around 0 °C and southerly winds the ice will drift to the north but else no larger changes are expected.

### The Quark

There is 20–40 cm thick fast ice in the Vaasa archipelago and out to about Ensten. Along the Swedish coast there is up to 30 cm thick fast ice followed by open 2–15 cm thick drift ice. At sea north of Nordvalen and Valassaaret, there is very

close, 20–40 cm thick ice and else mostly open, 2–15 cm thick drift ice. With temperatures around 0°C and up to gale force winds from southerly directions a strong northerly ice drift but else no larger changes are expected.

### Sea of Bothnia

Thin level ice or 5–40 cm thick fast ice is present in bays along both coasts. On Ångermanälven, there is 15–25 cm thick fast ice. Outside the Swedish coast there is open water or very open ice in the south and very open to open, 2–15 cm thick ice in

the north. Off the Finnish coast is a 2–10 NM wide band of thin very close ice. With temperatures around 0°C and up to gale force winds from southerly directions a northerly ice drift but else no larger changes are expected.

### Archipelago Sea and Åland Sea

In the Archipelago Sea there is 10–30 cm thick fast ice in the inner archipelago of the Finnish coast and 5–15 cm thick, level ice reaching to the Åland Islands. In the Åland Sea there is 5–15 cm thick

fast or level ice in bays. With temperatures mostly slightly above 0 °C and partly high winds no larger changes are expected. In the east some ice breakup may occur.

### Northern Baltic

In Lake Mälaren there is 5–20 cm thick fast ice. At the outer Swedish coast there is 5–10 cm thick fast ice or level ice and some new ice slightly further

out. With temperatures around or slightly above 0 °C no larger changes are expected.

### Gulf of Finland

From St. Petersburg to Kotlin there is 30–40 cm thick fast ice, further out is very close, partly rafted 10–30 cm thick ice to about 28°00'E. Slightly further west is some open drift ice followed by open water. In the Bjerkesund there is 10–20 cm thick fast and in the Vyborg Bay there is 15–35 cm thick fast ice. Along the northern coast there fast ice in the archipelago, 10–35 cm thick in the west and up to 45 cm thick in the east. Further out, there is a

brash ice barrier with open water further out. At the southern shore there open to close ice near the eastern cost and in Kunda Bay is very open drift ice. In Lake Saimaa there is 15–50 cm thick fast ice. With temperatures mostly around 0 °C and a fresh to strong southerly breeze the ice will drift northwards but else no larger changes are expected.

### Gulf of Riga

In Väinameri there is 25–35 cm thick fast ice near the coasts. Farther out and on the fairway there is very close, 5–20 cm thick ice. Along the coast of Saaremaa there is a band of very close ice followed by close ice. In the Bay of Pärnu, there is 25–35 cm thick fast ice to the line Liu – Voiste followed by very close ice to a line from island Kihnu to Ainazi

with some close ice further out. Elsewhere along the coast is mostly open water with some drift ice in the Irben Strait. In the port of Riga is open water. With mostly temperatures slightly above 0 °C and a fresh to strong breeze from the southwest some ice melt is expected. The ice will drift to the north-east.

### Central Baltic

Thin level ice is present along the Swedish coast. In the Kalmarsund there very close thin ice south of Kalmar and very open ice in the northern part. New ice is present at few places along the coasts

of Öland and around Gotland. With temperatures above 0°C some ice melt is expected.

### Southeastern Baltic

Around 15–20cm thick very close ice covers the Curonian Lagoon and thin open drift ice is present in the Vistula Lagoon.

With temperatures above 0°C some ice melt is expected.

**Southern Baltic**

New ice is present in the archipelagos along the Swedish coast. Around Karlskrona there is some thin level ice.

With expected temperatures above 0°C, some ice melt is expected.

**Western Baltic**

Some thin ice remnants are present around Rügen, the Peenestrom and the Szczecin Lagoon. With temperatures partly above 5 °C and strong

winds from the southwest further ice melt is expected.

**Skagerrak, Kattegat, Belts and Sound**

In the Svinesund there is 15–30 cm thick open ice, in the Mossesundet and Drammensfjord there is a lead in very close, mostly thicker than 30 cm ice. In Vestfjorden at Tønsberg and the inner harbour there is 10–15 cm thick fast ice. Near Kragerø there is new ice and 10–15 cm thick fast ice. New

ice can also be found in other Norwegian Fjords. Along the Swedish and Danish coast, there is new ice sheltered areas.

With temperatures above 0°C and strong winds from the southwest some ice melt is expected.

**Swedish Lakes**

In Lake Vänern thin, 5–15 cm thick level ice is present in northern bays and 10–30 cm thick fast ice in southern bays. At sea there is open to close, 5–15 cm thick drift ice in the northern Dalbosjön. In the central Värmlandssjön, there is some close

drift ice.

With temperatures above 0 °C and a strong breeze from the southwest, some ice melt is expected and the ice will drift to the northeast.

**North Sea**

In the Limfjord there is some 5–10 cm thick ice at places.

With temperatures around or slightly above +5°C the remaining ice will melt.

Dr. W. Aldenhoff

### Restrictions to Navigation

	<b>Harbour/District</b>	<b>At least dwt/hp/kW</b>	<b>Ice Class</b>	<b>Begin</b>
<b>Estonia</b>	Pärnu	1600 kW	1C (Lloyd's)	22.12.
	<b>Pärnu</b>	<b>1800 kW</b>	<b>1B (Lloyd's)</b>	<b>27.01.</b>
<b>Finland</b>	Tornio, Kemi and Oulu	2000/4000 dwt	IA Super/IA	13.01.
	Vaasa	2000 dwt	IA	10.01.
	Raahe, Kalajoki, Kokkola and Pietarsaari	4000 dwt	IA	13.01.
	Pori and Rauma	2000 dwt	I	13.01.
	Kaskinen, Kristiinankaupunki and Uusikaupunki	2000 dwt	I	10.01.
	<b>Kaskinen, Kristiinankaupunki and Uusikaupunki</b>	<b>2000 dwt</b>	<b>IB</b>	<b>23.01.</b>
	Naantali, Turku, Eckerö, Maarianhamina and Langnäs	2000 dwt	II	13.01.
	<b>Naantali, Turku and Mussalo</b>	<b>2000 dwt</b>	<b>I</b>	<b>23.01.</b>
	Helsinki, Sköldvik and Mussalo	2000 dwt	II	09.12.
	Taalintehtdas, Förby, Koverhar, Lappoja, Inkoo and Kantvik	2000 dwt	I	13.01.
	Hanko	2000 dwt	II	13.01.
	Loviisa, Kotka and Hamina	2000 dwt	I	07.01.
	Lake Saimaa	2000 dwt	IA	08.01.
	Saimaa Canal	2000 dwt	IA	08.01.
<b>Russia</b>	Vyborg	-	Ice 1	30.12.
	Vysotsk	-	Ice 1	30.12.
	Ust-Luga	-	Ice 1	29.12.
<b>Sweden</b>	Karlsborg	4000 dwt	IA (2000 t)	14.01.
	Lulea	4000 dwt	IA	14.01.
	Haraholmen and Skelleftehamn	4000 dwt	IA	14.01.
	Rundvik, Husum and Örnsköldsvik	2000 dwt	IB	17.01.
	Holmsund	2000 dwt	IB	04.01.
	Angermanälven	2000 dwt	IB	18.12.
	Härnösand, Söråker, Sundsvall, Stocka, Hudiksvall, Iggesund, Söderhamn, Orrskär and Norrsundet	2000 dwt	IB	17.01.
	Gävle	2000 dwt	IB	17.01.
	Hargshamn	2000 dwt	IC	04.01.
	Skutskär and Öregrund	2000 dwt	IB	17.01.
	Hallstavik and Grisslehamn	2000 dwt	IC	04.01.
	Kappelskär, Stockholm, Nynäshamn and Södertälje	2000 dwt	II	04.01.
	Köping and Västeras	2000 dwt	IB	04.01.
	Balsta	2000 dwt	IB	14.01.
	Oxelösund, Norrköping, Västervik, Oskarshamn, Mönsterås, Kalmar, Degerhamn, Berkvara, Karlskrona, Stenungsund and Uddevalla	2000 dwt	II	04.01.
	Trollhättan Canal and Göta Älv	2000 dwt	IB	16.01.
	Vänern	2000 dwt	IB	16.01.

**Estonia**

**Icebreaker:** EVA-316 assists to the port of Pärnu.

**Finland/Sweden**

The traffic separation schemes in the Lake Vänern are temporarily out of use from 12 January due to ice conditions.

The transit traffic west of Holmöarna is temporarily prohibited. Kalmarsund and Öregrundsgrepen: Transit traffic for low powered vessels is not recommended.

The traffic separation schemes in the Quark are temporarily out of use from 20 December due to ice conditions.

Vessels bound for Gulf of Bothnia ports in which assistance restrictions apply, shall when passing latitude 60° 00' N report their nationality, name, destination, ETA and speed to ICE INFO on VHF channel 82. This report can also be given directly by telephone to +46 10 492 7600.

Vessels bound for Finnish or Swedish ports with assistance restrictions in the Quark or the Bay of Bothnia shall, 20 nautical miles before Nordvalen Lighthouse (63° 32.15' N 20° 46.60' E), report in accordance with the instructions for winter navigation to Bothnia VTS on VHF channel 67.

**Icebreakers:** YMER, BRAGE VIKING, ODEN, FREJ, KONTIO, OTSO and URHO assist in the Bay of Bothnia. POLARIS, ATLE and SISU assist in the southern Bay of Bothnia and in the Quark. ZEUS and BALICA assist in the Sea of Bothnia. VOIMA, CALYPSO and FENNICA assist the Gulf of Finland. ALE, EMBLA, SCANDICA and TOFTE assist in Vänern.

**Norway**

Mossesundet (Moss): Icebreaker assistance can only be given to vessels of special ice class and of special size. (05.01.24)

Drammensfjorden (Drammen), Kilsfjorden (Kragerø) and Hellefjorden (Kragerø): Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size. (08.01.24)

Langårsund (Kragerø): Navigation temporarily closed. (08.01.24)

**Russia**

There are restrictions for small crafts going to St. Petersburg, Vyborg, Vysotsk, Primorsk and Ust-Luga. Barge towed by tug not allowed to navigate in ice.

**Icebreakers:** Several icebreakers assist vessels to the port of St. Petersburg, Vyborg, Vysotsk, Primorsk and Ust-Luga.

**Baltic Sea Ice Code**

<p>First number:</p> <p><b>A<sub>B</sub> Amount and arrangements of sea ice</b></p> <ul style="list-style-type: none"> <li>0 Ice free</li> <li>1 Open water – concentration less than 1/10</li> <li>2 Very open ice – concentration 1/10 to 3/10</li> <li>3 Open ice – concentration 4/10 to 6/10</li> <li>4 Close ice – concentration 7/10 to 8/10</li> <li>5 Very close ice – concentration 9/10 to 9+/10</li> <li>6 Compact ice, including consolidated ice – concentration 10/10</li> <li>7 Fast ice with drift ice outside</li> <li>8 Fast ice</li> <li>9 Lead in very close or compact drift ice or along the fast ice edge</li> <li>/ Unable to report</li> </ul> <p>Third number:</p> <p><b>T<sub>B</sub> Topography or form of ice</b></p> <ul style="list-style-type: none"> <li>0 Pancake ice, ice cakes, brash ice – less than 20 m across</li> <li>1 Small ice floes – 20 to 100 m across</li> <li>2 Medium ice floes – 100 to 500 m</li> <li>3 Big ice floes – 500 to 2000 m across</li> <li>4 Vast or giant ice floes – more than 2000 m across – or level ice</li> <li>5 Rafted ice</li> <li>6 Compact slush or shuga, or compacted brash ice</li> <li>7 Hummocked or ridged ice</li> <li>8 Thaw holes or many puddles on the ice</li> <li>9 Rotten ice</li> <li>/ No information or unable to report</li> </ul>	<p>Second number:</p> <p><b>S<sub>B</sub> Stage of ice development</b></p> <ul style="list-style-type: none"> <li>0 New ice or dark nilas (less than 5 cm thick)</li> <li>1 Light nilas (5 - 10 cm thick) or ice rind</li> <li>2 Grey ice (10 - 15 cm thick)</li> <li>3 Grey-white ice (15 - 30 cm thick)</li> <li>4 White ice, first stage (30 - 50 cm thick)</li> <li>5 White ice, second stage (50 - 70 cm thick)</li> <li>6 Medium first year ice (70 - 120 cm thick)</li> <li>7 Ice predominantly thinner than 15 cm with some thicker ice</li> <li>8 Ice predominantly grey-white ice (15 – 30 cm) with some thicker ice</li> <li>9 Ice predominantly thicker than 30 cm with some thinner ice</li> <li>/ No information or unable to report</li> </ul> <p>Fourth number:</p> <p><b>K<sub>B</sub> Navigation conditions in ice</b></p> <ul style="list-style-type: none"> <li>0 Navigation unobscured</li> <li>1 Navigation difficult or dangerous for wooden vessels without ice sheathing</li> <li>2 Navigation difficult for unstrengthened or low-powered vessels built of iron or steel. Navigation for wooden vessels even with ice sheathing not advisable</li> <li>3 Navigation without icebreaker assistance possible only for high-powered vessels of strong construction and suitable for navigation in ice</li> <li>4 Navigation proceeds in lead or broken ice-channel without the assistance of an icebreaker</li> <li>5 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size</li> <li>6 Icebreaker assistance can only be given to vessels of special ice class and of special size</li> <li>7 Icebreaker assistance can only be given to vessels after special permission</li> <li>8 Navigation temporarily closed</li> <li>9 Navigation has ceased</li> <li>/ Unknown</li> </ul>
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**Estonia, 22.01.2024**

Shipping route from Narva-Jõssuu	4102
Kunda, port and bay	4001
Paernu, port and bay	8355
Shipp. route from Paernu to Irben Strait	3113
Irben Strait	3001
Moonsund	7353

**Finland, 22.01.2024**

Röyttä – Etukari	8446
Etukari – Ristinmatala	6346
Ajos – Ristinmatala	6346
Ristinmatala – Kemi 2	6346
Kemi 2 – Kemi 1	5146
Sea area SW of Kemi 1	5156
Kemi 2 – Ulkokuranni – Virpiniemi	7356
Oulu harbours – Kattilankalla	8446
Kattilankalla – Oulu 1	7346
Sea area SW of Oulu 1	5156
High Sea N of the latitude of Marjaniemi	5856
Raahe harbour – Heikinkari	8346
Heikinkari – Raahe lighthouse	6346
Raahe lighthouse – Nahkiainen	5356
Latitude Marjaniemi – Ulkokalla, Sea	5876
Rahja harbour – Välimatala	8346
Välimatala to line Ulkokalla – Ykskivi	5246
Sea betw. lat. of Ulkokalla – Pietarsaari	5876
Ykspihlaja – Repskär	8346

Repskär – Kokkola lighthouse	7376
Sea area off Kokkola lighthouse	5356
Pietarsaari – Kallan	8846
Sea area off Kallan	8846
Sea lat. Pietarsaari – NE Nordvalen	5876
Sea area ENE of Nordvalen	5856
Sea area Nordvalen to W of Norrskär	5856
Vaskiluoto – Ensten	8346
Ensten – Vaasa lighthouse	5356
Vaasa lighthouse – Norrskär	2326
Sea area SW of Norrskär	1306
Kaskinen – Sälgrund	8346
Sea area off Sälgrund	5746
High sea from N to latitude Yttergrund	0/6
Pori harb. to line Pori lighth. – Säppi	5746
Sea W of line Pori lighthouse – Säppi	0/6
High sea betw. lat. Yttergrund a. Rauma	0/6
Rauma, Harbour – Kylmäpihlaja	8346
Kylmäpihlaja – Rauma lighthouse	7746
Sea area W of Rauma lighthouse	5746
Uusikaupunki harbour – Kirsta	8346
Kirsta – Isokari	7746
Isokari – Sandbäck	4046
Sea area off Sandbäck	0/6
Sea area N of Sälskär	2005
Sea area N of Märket	2005
Sea area W of Märket	2005
Maarianhamina – Marhällan	5145

<b>Naantali and Turku – Rajakari</b>		<b>8745</b>	<b>Russian Federation, 22.01.2024</b>
Rajakari – Lövskär		8745	Port of St. Petersburg
Lövskär – Korra		8745	St. Petersburg – E-point island Kotlin
Korra – Isokari		5145	E-point Kotlin – long. lighth. Tolbuhkin
Lövskär – Berghamn		5145	Lighth. Tolbuhkin – lighth. –Šepelevskij
Berghamn – Stora Sottunga		1005	Lighthouse Šepelevskij – island Sescar
Stora Sottunga – Ledskär		5145	Island Sescar – Island Sommers
Sea area at Rödhamn		1005	Island Sommers– S-point island Gogland
Lövskär – Grisselborg		5145	Vyborg, port and bay
Grisselborg – Norparskär		4045	Island Vichrevoj – Island Sommers
Hanko harbours – Hanko 1		5745	Strait Bjerkesund
Sea area S of Hanko 1		0//5	E-point Bol'soj Ber'ozovyj – Šepelevskij
Hanko – Vitgrund		5142	Luga bay
Vitgrund – Utö		5145	Appr. Luga bay – line Moš.-Šepel.
Koverhar – Hästö Busö		7746	
Hästö Busö – Ajax		5746	<b>Sweden, 22.01.2024</b>
Sea area S of Ajax		0//6	Karlsborg – Malören
Inkoo a. Kantvik – sea area Porkkala		7746	Sea area off Malören
Sea area at Porkkala		0//6	Luleå – Björnklack
Sea area S of Porkkala lighthouse		0//6	Björnklack – Farstugrunden
Helsinki harbours – Harmaja		8745	E and SE of Farstugrunden
Harmaja – Helsinki lighthouse		5745	Sandgrönn fairway
Helsinki lighth. – sea S of Porkkala lh.		0//5	Rödkallen – Norströmsgrund
Fairway Helsinki – Porkkala – Rönnskär		7745	Haraholmen – Nygrän
Vuosaari harbour – Eestiluoto		7745	Sea area off Nygrän
Eestiluoto – Helsinki lighthouse		5745	Skelleftehamn – Gåsören
Porvoo harbours – Varlax		8745	Sea area off Gåsören
Varlax – Porvoo lighthouse		5745	Sea area off Bjuröklubb
Porvoo lighthouse – Kalbådagrund		1705	NE of Nordvalen
Sea Kalbådagrund – Helsinki lighthouse		0//5	SW of Nordvalen
Valko Harbour – Täktarn		8346	Western Quark (W of Holmöarna)
Archipelago fairway Boistö – Glosholm		5746	Umeå – Väktaren
Archipelago fairway Glosholm–Helsinki		7745	SE of Väktaren
Kotka – Viikari		8345	NE and SE of Sydostbotten
Viikari – Orrengrund		7745	Fairway to Husum
Orrengrund – Tiiskeri		5746	Örnsköldsvik – Hörnskaten
Tiiskeri – Kalbådagrund		1705	Hörnskaten – Skagsudde
Hamina – Suurmista		8346	Sea area off Skagsudde
Suurmusta – Merikari		7746	Fairway W of Ulvöarna
Merikari – Kaunissaari		5746	Sea area E of Ulvöarna
<b>Latvia, 22.01.2024</b>			Ångermanälven north Sandö Bridge
Port of Riga		1000	Ångermanälven south Sandö Bridge
Riga to the Cape of Mersrags, fairway		1000	Härnösand – Härnön
Mersrags to Irben Strait, fairway		1000	Sea area off Härnön
Irben Strait, fairway		2000	Sundsvall – Draghällan
Irben Strait to the port of Ventspils		2000	Draghällan – Åstholsudde
Port of Liepaya		1000	Off Åstholsudde and Brämön
Ventspils port to Liepaja port		1000	Hudiksvallfjärden
<b>Norway, 22.01.2024</b>			Igesund – Agö
Svinesund – Halden		33//	Sea area off Agö
Mossesund		9956	Sea area off Hällgrund
Drammensfjord		9955	Ljusnefjärden – Storjungfrun
Tønsberg, inner harbour		82/3	Sea area off Storjungfrun
Vestfjord (Tønsberg)		82/3	Gävle – Eggegrund
Larviksfjorden (Stavern – Larvik)		121/	Sea area off Eggegrund
Langårsund (Kragerø)		8248	Sea area off Orskär
			Öregrundsgrepen
			Passage at Grundkallen
			Hallstavik – Svartklubben

Trälhavet – Furusund – Kapellskär	8146
Stockholm – Trälhavet – Klövholmen	8146
Klövholmen – Sandhamn	4046
Trollharan – Langgarn	4046
Mysingen	4046
Köping – Kvicksund	8344
Västerås – Grönsö	8344
Grönsö – Södertälje	8344
Stockholm – Södertälje	8344
Södertälje – Fifong	8144
Fifong – Landsort	8146
Norrköping – Hargökalv	8246
Hargökalv – Vinterklasen – N Kränkan	5246
Oxelösund harbour	4046
Järnverket-Lillhammaren – N Kränkan	8146
Västervik – Marsholmen – Idö	5246
Oskarshamn – Furön	2026
Blå Jungfrun – Kalmar	5136
Kalmar – Utgrunden	5136
Karlskrona – Aspö	5146
Fairway to Halmstad	1000
Uddevalla – Stenungsund	5136
Stenungsund – Hätteberget	5046
Vänersborgsviken	8346
Fairway through Lurö archipelago	5256
Fairway to Gruvön	8246
Fairway to Karlstad	8246
Fairway to Kristinehamn	8246
Fairway to Otterbäcken	8246
Fairway to Lidköping	8346