

Eisbericht Nr. 45

Amtsblatt des BSH

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Friday, 19.01.2024

1

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 5-15cm dickes, ebenes Eis. Auf See treibt ansonsten meist 15–45 cm dickes, sehr dichtes Eis, örtlich aufgepresst und übereinandergeschoben. An den Küsten von Norra Kvarken liegt bis 35 cm dickes Festeis. Auf See treibt im Nordosten sehr dichtes bis 40 cm dickes Eis, ansonsten dichtes 5–30 cm dickes Eis und Neueis. An den Küsten der Bottensee kommt im Osten bis 35 cm und im Westen bis 25 cm dickes Festeis vor. Davor treibt Neueis. 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 dichtes bis sehr dichtes, bis 15 cm dickes Eis. Ansonsten treibt weiter außerhalb und entlang der Küsten örtlich Neueis. Im Rigaischen Meerbusen kommt bis zu 35 cm dickes Festeis vor und vor den Küsten treibt Neueis. Ansonsten kommt im Mälaren, Vänern und Norwegischen Fjords etwas dickeres Eis vor und dünnes Eis und Neueis ist in geschützten Bereichen 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 5-15cm thick level ice. Else at sea there is mostly 15–45 cm thick very close ice, ridged and rafted at places. In the Quark there is up to 35 cm thick fast ice at the coasts. At sea there is up to 40 cm thick very close ice in the northeast and 5–30 cm thick close ice or new ice elsewhere. At the coasts of the Sea of Bothnia there fast ice, up to 35 cm thick in the east and up to 25 cm thick in the west. Further out there is new ice. 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 15 cm thick close to very close ice at sea. Further out and along the southern coast there is new ice in places. In the Gulf of Riga there is up to 35 cm thick fast ice in the northeast and outside the coasts there is new ice. Else thicker ice is present in the Mälaren, Vänern and Norwegian fjords and thin ice and new ice 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; 20–40 cm thick in the northwest, 30–60 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 and Oulu-3. Off the fast ice in the north and east, there is wide zone of first new ice and later 5-15cm thick level ice. In the west there is

Herstellung und Vertrieb

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a lead with thin level ice from Norströmsgrund to south of Nygrån. At sea there is mostly 20–40 cm thick, rafted and ridged, very close ice with 25–40 cm thick ice. The ice field in the southeast is difficult to force in places. Outside the Swedish coast in the south there is level ice followed by 15–30 cm thick, very close ice.

The Quark

There is 10–35 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 followed by very close and then 5–20 cm thick close ice. At sea north of Nordvalen and Valassaaret, there is very close, 10–40 cm thick ice. Else at sea there is 20–30 cm thick close ice between east of Sydostbrotten to Valassaaret and otherwise new

Sea of Bothnia

Thin level ice or 5–35 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 in the south, there is some ridged, very close ice. Further out at both coasts there is a 10–15 NM wide area with thin close ice and new ice.

Archipelago Sea and Åland Sea

In the Archipelago Sea there is 10–20 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 and new ice is drifting close

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. At the Estonian coast there is new ice.

With light frost in the east and up to strong frost in

Gulf of Finland

From St. Petersburg to Kotlin there is 30–40 cm thick fast ice, further out is very close, 10–20 cm thick ice to Šepelevskij. In the Bjerkesund there is 10–20 cm thick fast and in the Vyborg Bay there is 15–35 cm thick fast ice. At sea in the east, there is close to very close, 3–15 cm thick drift ice to about Moščnyj and open water further west. 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

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. 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 Kabli. Just outside the coast in the

With severe frost changing to light frost over the weekend, further ice formation and ice growth is expected. Responsible for the temperature increase are southerly winds transporting warmer air masses, the ice drift will therefore be into northerly directions.

ice.

With first strong to severe frost, ice formation and ice growth will continue. During Sunday southerly winds will bring in warmer air masses and the temperatures will increase to values around 0°C, so ice formation will mostly cease and the ice will drift in northerly directions.

With moderate to strong frost further ice formation and ice growth are expected until Sunday, then ice formation will cease as temperatures increase to values around 0°C. The expected overall ice is towards the north.

to the coast.

With first moderate frost and temperatures later increasing to values around 0°C ice formation will slowly cease over the weekend. The overall ice drift will be towards north.

the west ice formation and ice growth is expected, but due to an temperature increase to values around 0°C will decrease or stop later during the weekend

there is new ice along the coast from Narva Bay to Kunda Bay with open water further out. New ice is present also in Tallinn Bay. In Lake Saimaa there is 15–40 cm thick fast ice.

With only light winds and up to severe frost ice formation and growth is expected on Saturday. Later southerly wind will lead to a temperature increase and with mostly light frost there will be at most only slight ice formation on Sunday, with the ice drifting towards northerly directions.

east there is very close from Kabli to about Riga. There is open new ice in the port of Riga. Off the northern coast of the Gulf of Riga there is thin very close ice followed by new ice. New ice and open water is present also along the western coast and in Irben Strait.

With light to moderate frost in the first half of the weekend, some ice formation and ice growth is expected but with increasing temperatures towards

Central Baltic

Thin level ice is present along the Swedish coast and in Kalmarsund there is new ice and in places also thin very close ice. New ice is present along the coast of Öland and a few places around Got-

Southeastern Baltic

Around 15-20cm thick very close ice covers the Curonian Lagoon and level ice is present in the Vistula Lagoon.

Southern Baltic

New ice is present in the archipelagos along the Swedish coast.

Western Baltic

Some new ice is present at sheltered places along the coast.

With increasing temperatures over the weekend

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

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 close, 5–15 cm thick drift ice in the southern Dalbosjön and southern Värmlandssjön. The central Värmlandssjön is ice free..

North Sea

In the Limfjord there is open ice and in places 15-30cm thick, very close ice.

With temperatures mostly around 0 °C, increasing

Sunday ice formation will stop and the ice will drift northwards.

land.

With light frost expected until Saturday and temperatures increasing to over 0°C later on, overall some ice melt may be expected.

With temperatures around or over 0°C minor ice melt may occur over the weekend.

With expected temperatures around or over 0°C, some ice melt will happen.

ice melt is expected and the ice will slowly disappear.

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

Over the weekend temperatures will increase and reach values over 0°C even in the Norwegian fjords, so some ice melt is expected.

With southerly winds the air temperatures will increase from moderate frost to values over 0°C towards Sunday. Ice formation in the beginning will be offset by some melting later on, the largest change in ice distribution is expected from the overall northward ice drift.

to values over +5°C over the weekend, ice melt is expected.

Dr. J. Holfort

Restrictions to Navigation

	Harbour/District	At least dwt/hp/kW	Ice Class	Begin
Estonia	Pärnu	1600 kW	1C (Lloyd's)	22.12.
Finland	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.
	Kaskinen, Kristiinankaupunki and Uusikaupunki	2000 dwt	IB	23.01.
	Naantali, Turku, Eckerö, Maarianhamina and Langnäs	2000 dwt	II	13.01.
	Naantali, Turku and Mussalo	2000 dwt	I	23.01.
	Helsinki, Sköldvik and Mussalo	2000 dwt	II	09.12.
	Taalintehdas, Förby, Koverhar, Lapohja, 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.
Russia	Vyborg	-	Ice 1	30.12.
	Vysotsk	-	Ice 1	30.12.
	Ust-Luga	-	Ice 1	29.12.
Sweden	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 Västerås	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.
	Trollhätte 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, 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, BALTICA and BRAGE VIKING 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), Skåtøysund (Kragerø), 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>A_B Amount and arrangements of sea ice</p> <p>0 Ice free</p> <p>1 Open water – concentration less than 1/10</p> <p>2 Very open ice - concentration 1/10 to 3/10</p> <p>3 Open ice – concentration 4/10 to 6/10</p> <p>4 Close ice – concentration 7/10 to 8/10</p> <p>5 Very close ice – concentration 9/10 to 9+/10</p> <p>6 Compact ice, including consolidated ice – concentration 10/10</p> <p>7 Fast ice with drift ice outside</p> <p>8 Fast ice</p> <p>9 Lead in very close or compact drift ice or along the fast ice edge</p> <p>/ Unable to report</p> <p>Third number:</p> <p>T_B Topography or form of ice</p> <p>0 Pancake ice, ice cakes, brash ice – less than 20 m across</p> <p>1 Small ice floes – 20 to 100 m across</p> <p>2 Medium ice floes – 100 to 500 m</p> <p>3 Big ice floes – 500 to 2000 m across</p> <p>4 Vast or giant ice floes – more than 2000 m across – or level ice</p> <p>5 Rafted ice</p> <p>6 Compact slush or shuga, or compacted brash ice</p> <p>7 Hummocked or ridged ice</p> <p>8 Thaw holes or many puddles on the ice</p> <p>9 Rotten ice</p> <p>/ No information or unable to report</p>	<p>Second number:</p> <p>S_B Stage of ice development</p> <p>0 New ice or dark nilas (less than 5 cm thick)</p> <p>1 Light nilas (5 - 10 cm thick) or ice rind</p> <p>2 Grey ice (10 - 15 cm thick)</p> <p>3 Grey-white ice (15 - 30 cm thick)</p> <p>4 White ice, first stage (30 - 50 cm thick)</p> <p>5 White ice, second stage (50 - 70 cm thick)</p> <p>6 Medium first year ice (70 - 120 cm thick)</p> <p>7 Ice predominantly thinner than 15 cm with some thicker ice</p> <p>8 Ice predominantly grey-white ice (15 – 30 cm) with some thicker ice</p> <p>9 Ice predominantly thicker than 30 cm with some thinner ice</p> <p>/ No information or unable to report</p> <p>Fourth number:</p> <p>K_B Navigation conditions in ice</p> <p>0 Navigation unobscured</p> <p>1 Navigation difficult or dangerous for wooden vessels without ice sheathing</p> <p>2 Navigation difficult for unstrengthened or low-powered vessels built of iron or steel. Navigation for wooden vessels even with ice sheathing not advisable</p> <p>3 Navigation without icebreaker assistance possible only for high-powered vessels of strong construction and suitable for navigation in ice</p> <p>4 Navigation proceeds in lead or broken ice-channel without the assistance of an icebreaker</p> <p>5 Icebreaker assistance can only be given to vessels suitable for navigation in ice and of special size</p> <p>6 Icebreaker assistance can only be given to vessels of special ice class and of special size</p> <p>7 Icebreaker assistance can only be given to vessels after special permission</p> <p>8 Navigation temporarily closed</p> <p>9 Navigation has ceased</p> <p>/ Unknown</p>
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Estonia, 19.01.2024

Shipping route from Narva-Jõssuu	4102
Kunda, port and bay	4001
Paernu, port and bay	8345
Shipp. route from Paernu to Irben Strait	3113
Irben Strait	2001
Moonsund	7353

Finland, 19.01.2024

Röyttä – Etukari	8446
Etukari – Ristinmatala	6346
Ajos – Ristinmatala	6346
Ristinmatala – Kemi 2	6346
Kemi 2 – Kemi 1	4046
Sea area SW of Kemi 1	5156
Kemi 2 – Ulkokrunni – 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	5876
Raahe harbour – Heikinkari	8346
Heikinkari – Raahe lighthouse	6356
Raahe lighthouse – Nahkiainen	5356
Latitude Marjaniemi – Ulkokalla, Sea	5876
Rahja harbour – Välimatala	8346
Vaelimatala to line Ulkokalla – Ykskivi	5246
Sea betw. lat. of Ulkokalla –Pietarsaari	5876
Ykspihlaja – Repskär	8346

Repskär – Kokkola lighthouse	7876
Sea area off Kokkola lighthouse	5156
Pietarsaari – Kallan	8346
Sea area off Kallan	5746
Sea lat. Pietarsaari – NE Nordvalen	5876
Sea area ENE of Nordvalen	5856
Sea area Nordvalen to W of Norrskär	4356
Vaskiluoto – Ensten	8346
Ensten – Vaasa lighthouse	4046
Vaasa lighthouse – Norrskär	3116
Sea area SW of Norrskär	2116
Kaskinen – Sälgrund	8346
Sea area off Sälgrund	3226
High sea from N to latitude Yttergrund	2016
Pori harb. to line Pori lighth. – Säppi	4146
Sea W of line Pori lighthouse – Säppi	4146
Rauma, Harbour – Kylmäpihlaja	8346
Kylmäpihlaja – Rauma lighthouse	8346
Sea area W of Rauma lighthouse	4146
The high sea S of the latitude of Rauma	2016
Uusikaupunki harbour – Kirsta	8346
Kirsta – Isokari	8346
Isokari – Sandbäck	4046
Sea area off Sandbäck	4046
Sea area N of Sälskär	2005
Sea area N of Märket	2005
Sea area W of Märket	2005
Maarianhamina – Marhällan	5145

Naantali and Turku – Rajakari	8745
Rajakari – Lövskär	8745
Lövskär – Korra	8745
Korra – Isokari	5145
Lövskär – Berghamn	5145
Berghamn – Stora Sottunga	5145
Stora Sottunga – Ledskär	5145
Sea area at Rödhamn	1005
Lövskär – Grisselborg	5145
Grisselborg – Norparskär	1005
Hanko harbours – Hanko 1	5145
Sea area S of Hanko 1	1005
Hanko – Vitgrund	5142
Vitgrund – Utö	5145
Koverhar – Hästö Busö	4146
Hästö Busö – Ajax	4146
Sea area S of Ajax	0//6
Inkoo a. Kantvik – sea area Porkkala	8346
Sea area at Porkkala	0//6
Sea area S of Porkkala lighthouse	0//6
Helsinki harbours – Harmaja	8745
Harmaja – Helsinki lighthouse	5145
Helsinki lighth. – sea S of Porkkala lh.	0//5
Fairway Helsinki – Porkkala – Rönnskär	5145
Vuosaari harbour – Eestiluoto	5145
Eestiluoto – Helsinki lighthouse	5145
Porvoo harbours – Varlax	8745
Varlax – Porvoo lighthouse	5145
Porvoo lighthouse – Kalbådagrund	0//5
Sea Kalbådagrund – Helsinki lighthouse	0//5
Valko Harbour – Täktarn	8346
Archipelago fairway Boistö – Glosholm	8746
Archipelago fairway Glosholm–Helsinki	8745
Kotka – Viikari	8745
Viikari – Orregrund	8745
Orregrund – Tiiskeri	5146
Tiiskeri – Kalbådagrund	0//5
Hamina – Suurmusta	8746
Suurmusta – Merikari	8746
Merikari – Kaunissaari	5146

Latvia, 19.01.2024

Port of Riga	3000
Riga to the Cape of Mersrags, fairway	1000
Mersrags to Irben Strait, fairway	1000
Irben Strait, fairway	2000
Irben Strait to the port of Ventspils	1000
Port of Liepaya	1000

Norway, 19.01.2024

Svinesund – Halden	33//
Mossesund	9956
Drammensfjord	9955
Tønsberg, inner harbour	82/3
Vestfjord (Tønsberg)	82/3
Larviksfjorden (Stavern – Larvik)	121/
Skåtøysund (Kragerø)	8245
Langårsund (Kragerø)	8248
Kragerøfjord	3021

Russian Federation, 19.01.2024

Port of St. Petersburg	88//
St. Petersburg – E-point island Kotlin	88//
E-point Kotlin – long. lighth. Tolbuhkin	88//
Lighth. Tolbuhkin – lighth. –Šepelevskij	53//
Lighthouse Šepelevskij – island Sescar	53//
Island Sescar – Island Sommers	53//
Island Sommers– S-point island Gogland	20//
Vyborg, port and bay	83//
Island Vichrevoj – Island Sommers	43//
Strait Bjerkesund	52//
E-point Bol'šoj Ber'ozovyj – Šepelevskij	42//
Luga bay	52//
Appr. Luga bay – line Moš.-Šepel.	41//

Sweden, 19.01.2024

Karlsborg – Malören	8546
Sea area off Malören	8446
Luleå – Björnklack	8446
Björnklack – Farstugrunden	5456
E and SE of Farstugrunden	5456
Sandgrönn fairway	6342
Rödkaullen – Norströmsgrund	6352
Haraholmen – Nygrån	6342
Sea area off Nygrån	5256
Skelleftehamn – Gåsören	8346
Sea area off Gåsören	5336
Sea area off Bjuröklubb	8346
NE of Nordvalen	5336
SW of Nordvalen	4046
Western Quark (W of Holmöarna)	4046
Umeå – Väktaren	5136
SE of Väktaren	5136
NE and SE of Sydostbrotten	4352
Fairway to Husum	5356
Örnsköldsvik – Hörnskatan	8346
Hörnskatan – Skagsudde	8346
Sea area off Skagsudde	5132
Fairway W of Ulvöarna	5136
Sea area E of Ulvöarna	5136
Ångermanälven north Sandö Bridge	8344
Ångermanälven south Sandö Bridge	8344
Härnösand – Härnön	8344
Sea area off Härnön	4336
Sundsvall – Draghällan	8346
Draghällan – Åstholmsudde	4046
Off Åstholmsudde and Brämön	4046
Hudiksvallfjärden	8246
Iggesund – Agö	8246
Sea area off Agö	4046
Sandarne – Hällgrund	8346
Sea area off Hällgrund	4041
Ljusnefjärden – Storjungfrun	8346
Sea area off Storjungfrun	4046
Gävle – Eggegrund	8346
Sea area off Eggegrund	4046
Sea area off Orskär	4046
Öregrundsgrepen	5146
Passage at Grundkallen	4041
Passage at Understen	4041

Hallstavik – Svartklubben	8246
Trälhavet – Furusund – Kapellskär	8146
Kapellskär – Söderarm	4041
Stockholm – Trälhavet – Klövholmen	8146
Klövholmen – Sandhamn	4046
Trollharan – Langgarn	4046
Mysingen	4041
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
Järnverket-Lillhammaren – N Kränkan	8146
Västervik – Marsholmen – Idö	5246
Oskarshamn – Furön	4046
Blå Jungfrun – Kalmar	5136
Kalmar – Utgrunden	5136
Karlskrona – Aspö	5146
Fairway to Halmstad	1000
Uddevalla – Stenungsund	4136
Vänersborgsviken	8346
Fairway through Lurö archipelago	4356