



REPUBLIC OF ESTONIA
TRANSPORT ADMINISTRATION

Sailing Directions for Estonian Waters

part 2
Väinameri

2.3 W part of Väinameri

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Cartography Department

Fifth release April 2024

Copies of aerial photographs Estonian Land Board are used in this publication

Links to aerial panoramas www.estonia360.ee/sadamad/ of Joel Tammet are used in this publication

Sailing Directions for Estonian Waters is updated in compliance with navigational information, once a month
homepage: <https://transpordiamet.ee/en/sailing-directions>



VERTICAL REFERENCE SYSTEM

the depths in the Sailing Directions are given with reference to the 1977 Baltic Height System BHS-77, i.e. the Kronstadt Gauge Peil, unless otherwise indicated (BSCD2000^{EH2000})

from January 2018, the transition to the Baltic Sea Chart Datum 2000^{EH2000} (EVRS), i.e. the Normal Amsterdam Peil, began www.transpordiamet.ee/en/height-system-eh2000

NAVIGATIONAL INFORMATION

Web application Nutimeri

<https://gis.transpordiamet.ee/nutimeri/>

Fairway route points:

www.transpordiamet.ee/en/sailing-directions

Tallinn Radio VHF 1, 3, 5, 7, 20, 62, 64, 66 and MF 3310 kHz at 02.33, 06.33, 10.33, 14.33, 18.33, 22.33 UTC

Local navigational warnings:

<https://gis.transpordiamet.ee/navhoiatused/en.html>

NAVTEX

station: Tallinn

symbol: F

frequency: 518 kHz

transmission times 00:50, 04:50, 08:50, 12:50, 16:50, 20:50 UTC

www-o.sjofartsverket.se/en/Maritime-services/Maritime-Traffic-Information/Navigational-Warnings/NAVTEX/

Notices to Mariners:

<https://transpordiamet.ee/NtM>

List of Lights, Estonia:

<https://transpordiamet.ee/listoflights>

Winter navigation:

<https://transpordiamet.ee/en/winter-navigation>

phone

+3725243842

e-mail

winternavigation@transpordiamet.ee

due to the use of the official ice bridges (roads) the transit traffic passing through Väinameri could be temporarily stopped

REPORT

Malfunctions of aids to navigation, hazardous situations, violations of safety regulations

phone

+3726205665

e-mail

navinfo@transpordiamet.ee

Security incidents

phone

+3726205665

e-mail

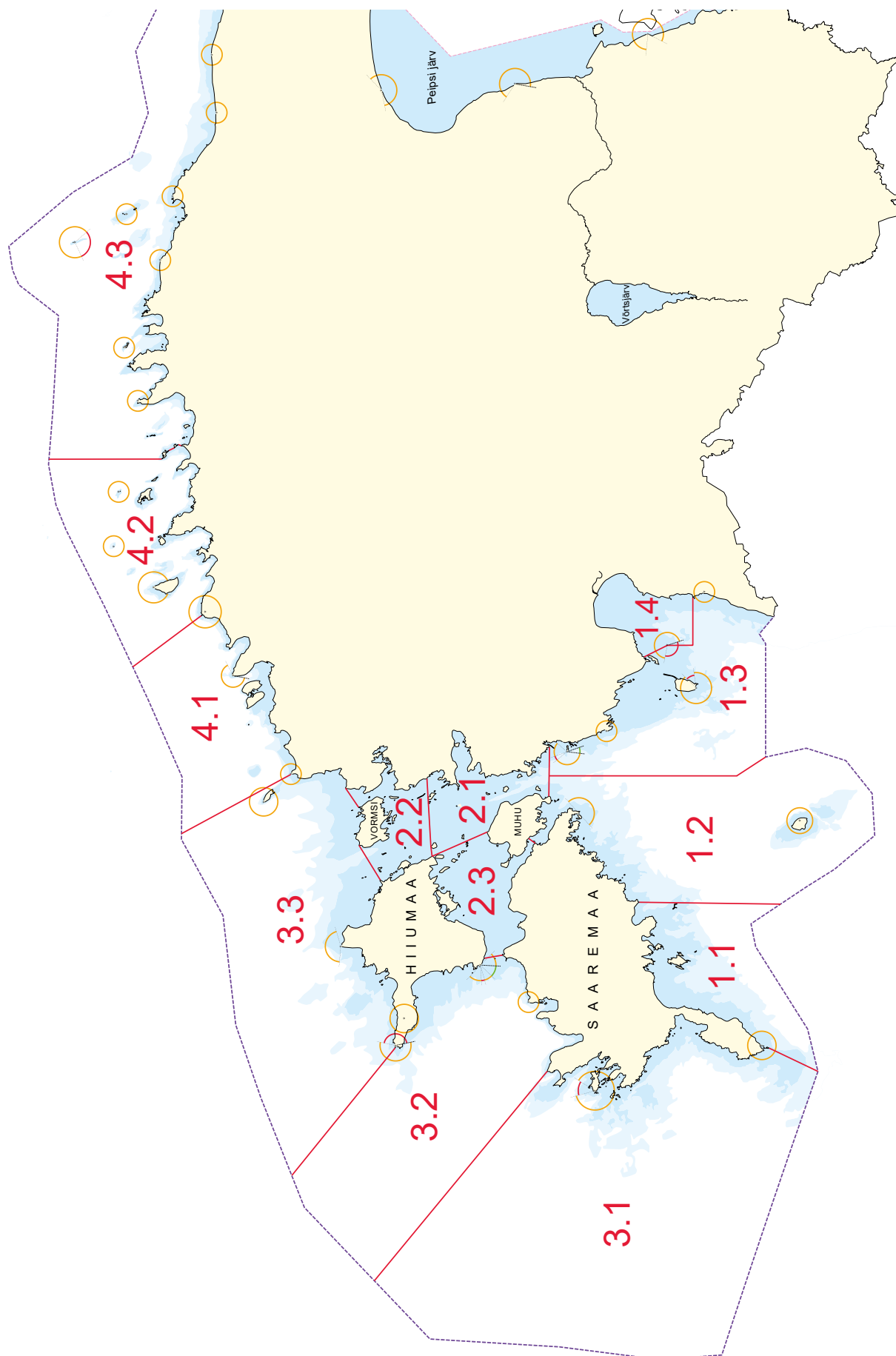
maritime.security@transpordiamet.ee

year 2024, changed pages: 8, 18, 19, 32, 39, 47, 48, 49, 50

5th release[illegible][illegible]

Please inform of any changes currently in use at navinfo@transportiamet.ee

THE REGIONAL SCHEME IN THE SAILING DIRECTIONS



MARITIME RESCUE AND MARITIME POLLUTION

JRCC Tallinn

operational readiness

24 hours

channel/frequency

VHF-DSC 70 CH

VHF 16 CH

VHF 69 CH

MF-DSC 2187.5 kHz

MF 2182 kHz

call sign

Tallinn Rescue

INMARSAT-C

581492480040

phone

+3726191224

emergency 112

fax

+3726922501

e-mail

jrcc@politsei.ee

Voluntary

Estonian Maritime Rescue Organization

<https://sar.ee> *(in Estonian only)*

Väinameri

area describing information in part 2.1

Climate and weather

area describing information in part 2.1

Real time weather

KAUR www.ilmateenistus.ee/ilm/ilmavaatlused/vaatlusandmed/kaart/?lang=en

METOC <http://on-line.msi.ttu.ee/metoc/>

MSI <http://on-line.msi.ttu.ee/kaart.php?en>

Weather forecast

KAUR www.ilmateenistus.ee/meri/mereprognoosid/mereilm/?lang=en

Tallinn Radio VHF 1, 3, 5, 7, 20, 62, 64, 66 and MF 1650 kHz at 06.33 and 15.33 local time

Weather warnings

Tallinn Radio VHF 1, 3, 5, 7, 20, 62, 64, 66 and MF 3310 kHz immediately after silence period

KAUR www.ilmateenistus.ee/ilm/prognoosid/hoiatused/?lang=en

e-mail subscription www.ilmateenistus.ee/teenused/teenuste-tellimine/?lang=en

Ice chart

KAUR www.ilmateenistus.ee/meri/jaakaart/?lang=en#zoomableStaticMap/zoomOff

Regions

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2.3 SCHEME OF THE MARITIME AREA



2.3 marine area navigational charts

Estonian Maritime Administration chart No	INT chart No	Scale
305	1215	250 000
513		100 000
622		50 000
752		25 000

Atlas
Charts of Estonia, Vol 2
Charts of Estonia, Vol 3

retailers of the Estonian Transport Administration navigational charts:

<https://transpordiamet.ee/en/mobility-and-transportation/navigational-information/navigational-charts>

New editions of charts

with the new editions old charts are not in use anymore and no corrections will be issued to them

Cables and pipelines

anchoring, trawling and any other activity which may damage them is prohibited in the cable area, on the cable or pipeline track and 0.5 M on either side of these

2.3 W part of Väinameri

Vicinity

B a y s

Bay	Position, area limits	Description	Restrictions
Soonlepa laht	58°49.37'N 23°00.51'E	depth in the central part 2.2–3.5 m; numerous underwater boulders	Hiiumaa laidude MR ⁽¹⁾
Lõpemer	58°38.68'N 23°05.63'E	depth predominantly less than 3 m; rocky shoreline	
Õunaku laht	58°48.30'N 22°56.11'E	depth in the central part 2.2–3.2 m	Käina lahe - Kassari MR ⁽²⁾
Salinõmme laht	Õunaku laht N part	shallow	
Väike väin, N part	58°35.56'N 23°03.26'E	depth at the entrance is less than 5.5 m, otherwise shallow	
Kassari laht	58°46.64'N 22°50.91'E	depth at the entrance is less than 4.7 m; numerous rocks, awash	
Mäealuse laht	Kassari laht NNE part	shallow, numerous rocks	
Jausa laht	58°47.14'N 22°44.77'E	depth at the entrance is less than 4 m, in the central part 2–2.5 m, in N part less than 2 m	
Triigi laht	58°35.73'N 22°44.60'E	depth at the entrance is less than 7 m, in the central part less than 5 m	
Upsu laht	58°35.52'N 22°39.13'E	depth at the entrance is less than 6 m, in the central part less than 4 m, rocky	
⁽¹⁾ - maximum permissible speed limit for navigating is 8 knots, navigating a floating craft without an engine, with electric motor or with stopped combustion engine through the conservation zone is allowed ⁽²⁾ - maximum permissible speed limit for navigating a watercraft is 5 knots			

2.3 W part of Väinameri

Hazards

Bay	Hazard	Least depth (m)	Position N/E		Nav. aid	No	Notes
	Viinakari	1.2	58°42.84'	23°10.24'	S spar buoy	3131	
Lõpemeeri	unnamed	1.0	58°39.45'	23°06.23'			
Lõpemeeri	rock	unknown	58°38.47'	23°04.17'			
	Väinakari	0.6	58°42.46'	23°03.91'	S spar buoy	3240	
	unnamed	0.4	58°46.68'	23°01.54'			
Soonlepa laht	unnamed	1.3	58°47.82'	23°01.39'			
Soonlepa laht	Kivihunnik	1.1	58°48.44'	23°01.73'			boulder field in the range of 0.5 kbt
Soonlepa laht	Lahesügava kivi	1.1	58°49.26'	23°00.95'			
Soonlepa laht	Viireliiva kivi	0.5(*)	58°49.3'(*)	22°59.83'			(*) - data clarification nessesary
Õunaku laht bay-mouth	unnamed	1.0	58°46.71'	22°57.60'	S spar buoy	2128.3	
Õunaku laht bay-mouth	unnamed	unknown	58°46.72'	22°55.89'			
Õunaku laht	rock	awash	58°47.69'	22°54.13'			
Väike väin	wreck	2.9	58°36.52'	22°59.40'			near Orissaare Idg.I.
	unnamed	0.9	58°45.15'	22°55.92'	S spar buoy	2213	
	unnamed	0.5	58°46.35'	22°54.41'			
	rock	0.6	58°37.43'	22°50.45'			
	Hundirahu	unknown	58°45.05'	22°50.34'			
	Suur Hunt	unknown	58°44.10'	22°50.58'			
	unnamed	2.4	58°37.90'	22°51.90'			
	Kustavi rahu	0.2(*)	58°44.17'	22°47.75'	S spar buoy	2214	(*) - data clarification nessesary
	unnamed	unknown	58°37.54'	22°49.91'			
	Väinarahu	1.0	58°43.89'	22°45.21'	E buoy	710	near Orjaku Idg.I.
Jausa laht	Suurrahu	0.6	58°44.91'	22°44.90'	E spar buoy	2209	near Orjaku Idg.I.
Jausa laht	unnamed	1.6	58°45.97'	22°46.76'			near Orjaku Idg.I.
Triigi laht	wreck „Helge“	unknown	58°35.72'	22°45.90'			
Triigi laht	wreck	2.6	58°35.47'	22°43.86'			
Triigi laht	wreck „Olhon“	unknown	58°34.82'	22°44.27'			
	unnamed	0.8	58°36.11'	22°41.27'			
	wreck	4.5	58°38.54'	22°37.45'			
	Tärkma madal	1.3	58°39.89'	22°35.65'			
	Emmaste madal	0.9	58°40.15'	22°34.66'	p/h spar buoy	3125	near Sõru Idg.I.
	unnamed	0.3	58°40.68'	22°31.43'			

Historical wrecks

diving without a permit issued by the Estonian Heritage Board, trawling, anchoring, dredging and dumping of a solid materials is prohibited on an underwater heritage site and closer than 300 m to it

Islands, inlets

Bay	Island, inlet	Position N/E		Description	Notes
	Ahelaid	58°44.48'	23°08.03'	1.4 m in height, rocks, grove	Hiiumaa laidude MR ⁽³⁾
	Körgelaid	58°45.26'	23°05.69'	6.5 m in height, grove	Hiiumaa laidude MR ⁽⁴⁾
	Vareslaid	58°45.86'	23°04.81'	5.0 m in height, scrub, grove	Hiiumaa laidude MR ⁽⁴⁾
	Hanikatsi laid	58°46.63'	23°02.83'	7.2 m in height, grove	
	Saarnaki laid	58°48.26'	22°59.96'	7.5 m in height, forest; berm in SW beach	
	Kaevatsi laid	58°49.12'	23°04.34'	7.7 m in height, forest, scrub	
	Öakse laid	58°49.44'	22°58.63'	6.9 in height, grass, scrub	Hiiumaa laidude MR ⁽⁵⁾
	Sääri	58°39.39'	23°07.67'	low, rocks	
	Kõinastu laid	58°38.14'	23°01.41'	15 m in height, walls of pebbles, bank of morane; broadleaf forest, grass	
Väike väin, N part	Saapakare	58°33.95'	23°04.73'	low, rocks	
Väike väin, N part	Poistekare	58°33.59'	23°05.77'	low, grass	
Õunaku laht	Ruserahu	58°48,60'	22°53,89'	low, scrub	
Õunaku laht	Taguküla laid	58°47.04'	22°52.76'	2.6 m in height	
Õunaku laht, W shore	Kassari saar	58°47.99'	22°50.15'	less than 5 m in height; broadleaf forest, junipers on the shore	
Jausa laht	Haldrekarahu	58°46.45'	22°46.61'	less than 2 m in height, grass	
⁽³⁾ - human presence is prohibited from 14.02 - 01.11, maximum permissible speed limit for navigating in conservation zone is 8 knots					
⁽⁴⁾ - human presence is prohibited from 01.04 - 01.06, maximum permissible speed limit for navigating in conservation zone is 8 knots					
⁽⁵⁾ - human presence is prohibited from 01.04 - 15.07					

Navigational aids

database of Estonian aids to navigation - <https://nma.vta.ee/>

Island, inlet	Navigational aid	Nav. aid No	Notes
	Seanina light beacon	825/3639	
Kõinastu laid	Kõinastu light beacon	898/3640·8	
	Rannaküla light beacon	901/3641	
	Emmaste Idg.l. rear light beacon	692/3720·1	
	Emmaste Idg.l. front light beacon	691/3720	
	Sõru Idg.l. front light beacon	701/3721	
	Sõru Idg.l. rear lighthouse	702/3721·1	

Other marks

Island, inlet	Mark	Position N/E		Notes
	Nõmmküla communication mast	58°40.25'	23°11.55'	aviation obstruction lights
	Valipe communication mast	58°52.10'	22°57.53'	aviation obstruction lights
	Suuremõisa communication mast	58°52.26'	22°56.41'	aviation obstruction lights
	Pühalepa church	58°52.40'	22°57.31'	
Kassari saar	Kassari chapel	58°48.61'	22°51.84'	
	Käina communication mast	58°49.87'	22°46.65'	aviation obstruction lights
	Allika communication masts (2 pcs)	58°50.35'	22°47.30'	aviation obstruction lights
Kassari saar	Kassari communication mast	58°47.24'	22°49.83'	
	Jaani church	58°36.81'	22°54.91'	
	Põllu-Koguva windmill	58°36.00'	23°05.06'	
	Juhani-Koguva windmill	58°35.84'	23°04.72'	
	Orissaare communication mast	58°33.52'	23°04.00'	aviation obstruction lights
	Orissaare communication mast	58°33.75'	23°05.45'	aviation obstruction lights
	Orissaare chimney	58°33.59'	23°04.39'	
	Orissaare water tower	58°33.62'	23°04.80'	
	Orissaare television mast	58°33.24'	23°04.78'	aviation obstruction lights
	Kavandi communication mast	58°36.22'	22°50.45'	aviation obstruction lights
	Kavandi radar tower	58°36.98'	22°48.38'	
	Luguse communication mast	58°48.63'	22°44.10'	aviation obstruction lights
	Aadma communication mast	58°48.15'	22°39.30'	aviation obstruction lights
	Leisi communication mast	58°34.06'	22°41.34'	aviation obstruction lights
	Leisi television mast	58°34.04'	22°40.97'	aviation obstruction lights
	Leisi water tower	58°34.01'	22°41.39'	
	Emmaste communication mast	58°42.33'	22°35.02'	aviation obstruction lights
	Metsalauka communication masts (2 pcs)	58°43.16'	22°34.09'	aviation obstruction lights
	Emmaste church	58°42.40'	22°35.42'	
	Pakulaiu observation tower	58°38.45'	22°32.28'	

Topography

C o a s t

the coast from Seanina to Pitkana nukk is predominantly wooded and high
the shore is predominantly lined with the belt of 1–3 cables wide isolated underwater rocks
depth at the opening part of the water area is 6 m, bottom silt, sand and clay
the coast from Sarve poolsaar to Emmaste is predominantly low and wooded
indented coastline, bays are low
offshore bank is 1–2 M wide, numerous reefs and rocks
from Pitkana nukk to Pammana poolsaar the coast is high and wooded
the coastal bank is 2 cables wide, in bays less than 1.5 mile; numerous rocks in depth less than 2 m
depth of the water area is between 6–9 m, sand covered clay
numerous boulders may occur on the offshore bank
in Soela väin the surface current is less than 4 knots

Navigation restrictions

P r o h i b i t i o n s

anchoring, trawling and any other activity which may damage cables or pipelines is prohibited in the cable area, on the cable or pipeline track and 0.5 M on either side of these
diving without a permit issued by the Estonian National Heritage Board, trawling, anchoring, dredging and dumping of solid materials is prohibited on an underwater heritage site and closer than 300 m to it

F i s h i n g

fishing nets (unmarked) occur close to nearshore shoals

Pilot service - transit traffic and harbours in Väinameri

pilotage is compulsory in Väinameri, except for small craft
Soela väin pilot boarding place 58°41'N 22°24'E
radio channel: VHF 12
call sign: Soela Loots

Anchorage

see bay description p 11

Harbours

harbours are responsible for the accuracy of the provided information

schemes are not for purposes of navigation

port information is broadcasted from June 1 to September 30 at Tallinn Radio VHF 1, 3, 5, 7, 20, 62, 64, 66

State Port Register - www.sadamaregister.ee/?language=en

(PR) - harbour in Port Register

Naistlaiu sadam approach (depths BSCD2000^{EH2000})

Channel

width 5.0 m

depth 1.5 m

(PR) **Naistlaiu sadam** 58°49.47'N 23°01.95'E

Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			10.0	3.0	1.0	local harbour	01.05 - 31.10
1	20.0	2.5				fishing	
2	10.0	2.5				floating	
3	6.0	2.5				floating	
slip							

Salinõmme old harbour 58°49.60'N 22°57.17'E (state run)

Approach

Prohibitions

entrance on the permission of the harbour owner

Salinõmme sadam approach**Restrictions**

local knowledge required

(PR) Salinõmme sadam 58°49.63'N 22°57.03'E**Prohibitions**

entrance on the permission of the harbour owner

Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			12.0	4.0	1.1	local harbour	15.04 - 15.11
1	40.0	1.1				small craft	
2	30.0	1.1				small craft	
3	23.0	1.1				small craft	
4	15.0	1.1				small craft	
5	26.0	0.8				small craft	
6	11.0	0.8				small craft	
7	12.0	0.8				small craft	

Meremäe sadam, Salinõmme paadisadam, Salinõmme sadam and Salinõmme old harbour (2022)



Salinõmme paadisadam approach (depths BSCD2000^{EH2000})

Channel

width 10.0 m

depth 1.6 m

(PR) **Salinõmme paadisadam** 58°49.64'N 22°57.02'EMooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			12.0	3.2	0.9	local harbour	15.04 - 15.11
1	6.0	0.5				fishing	
slip							
2	18.0	1.0				small craft	
3	60.0	1.0				small craft	
4	10.0	1.0				small craft	

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1						*	
slip							
2							
3							
4							

(PR) **Meremäe sadam** 58°49.67'N 22°56.95'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Taaliku sadam approach

Channel

width 12.0 m

(PR) **Taaliku sadam** 58°36.27'N 22°58.74'E (under reconstruction)Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			15.0	4.0	1.1	local harbour	01.03 - 01.12
1	23.0	1.4				small craft	
2	42.5	1.4				small craft	
3	19.2	1.3				small craft	

Facilities

General

toilet

Taaliku sadam (2015)

**Matsi-Orinõmme boat pier** 58°35.24'N 23°01.46'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Koguva sadam approach (depths BSCD2000^{EH2000})

Channel 074° (254°)

length 408.0 m

width 10.0 m

depth 0.9 m

lateral marks

(PR) Koguva sadam 58°35.76'N 23°04.44'E (www.koguva.ee/en/about/)

Harbour opening hours

08.00-24.00

Restrictions

upon entering and leaving the departing vessel has the priority

speed shall not exceed 3 knots

Entering and leaving prohibitions

wind speed over 12 m/s

wave height above 1 m

Natural conditions

open to W direction winds

Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			15.0	5.0	1.2	local harbour	15.04 - 15.12
1	47.0	1.6				boats	
2	52.5	1.6				boats	
slip							
3	36.5	1.6				boats	
4	14.0	1.6				floating	

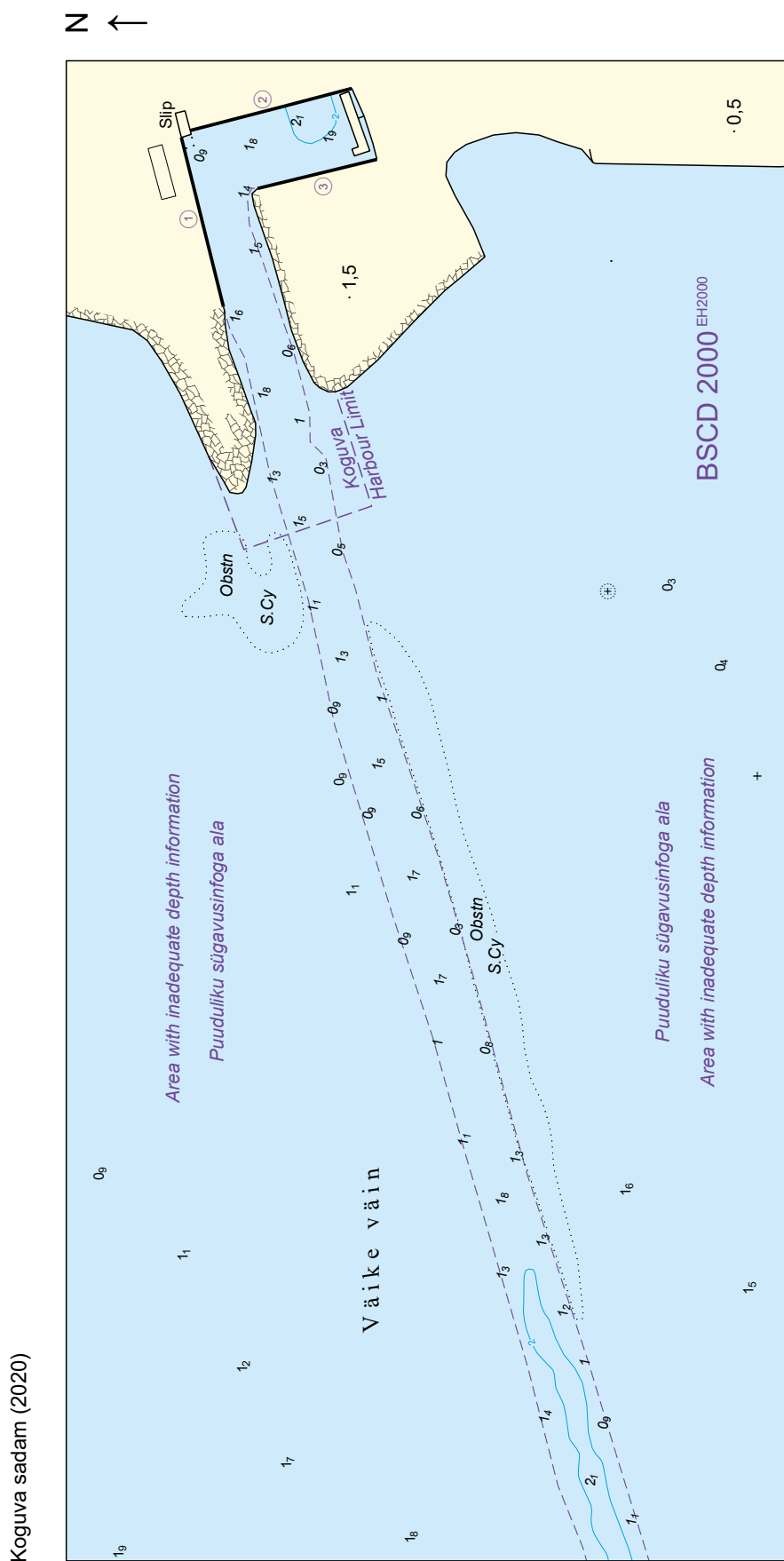
Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1		*				*	Wi-Fi
2		*				*	Wi-Fi
3						*	Wi-Fi
4						*	Wi-Fi

General

garbage reception

sauna, shower, toilet



Koguva sadam (2015)



Ranna-Orissaare boat harbour 58°33.68'N 23°04.61'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Rannaväljaku boat pier 58°33.82'N 23°05.19'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Orissaare sadam approach**Navigation aids**

Orissaare Idg.I. 130.6° - 310.6°

Orissaare Idg.I. front light beacon (896/3640)

Orissaare Idg.I. rear light beacon (897/3640-1)

Orissaare harbour pier light beacon (895/3640-5)

Orissaare harbour safe water spar buoy (3160/-)

lateral marks

(PR) Orissaare sadam 58°33.74'N 23°05.62'E (<https://illiku.ee/sadam/>) (in Estonian only)**Mooring** (depths BSCD2000^{EH2000})

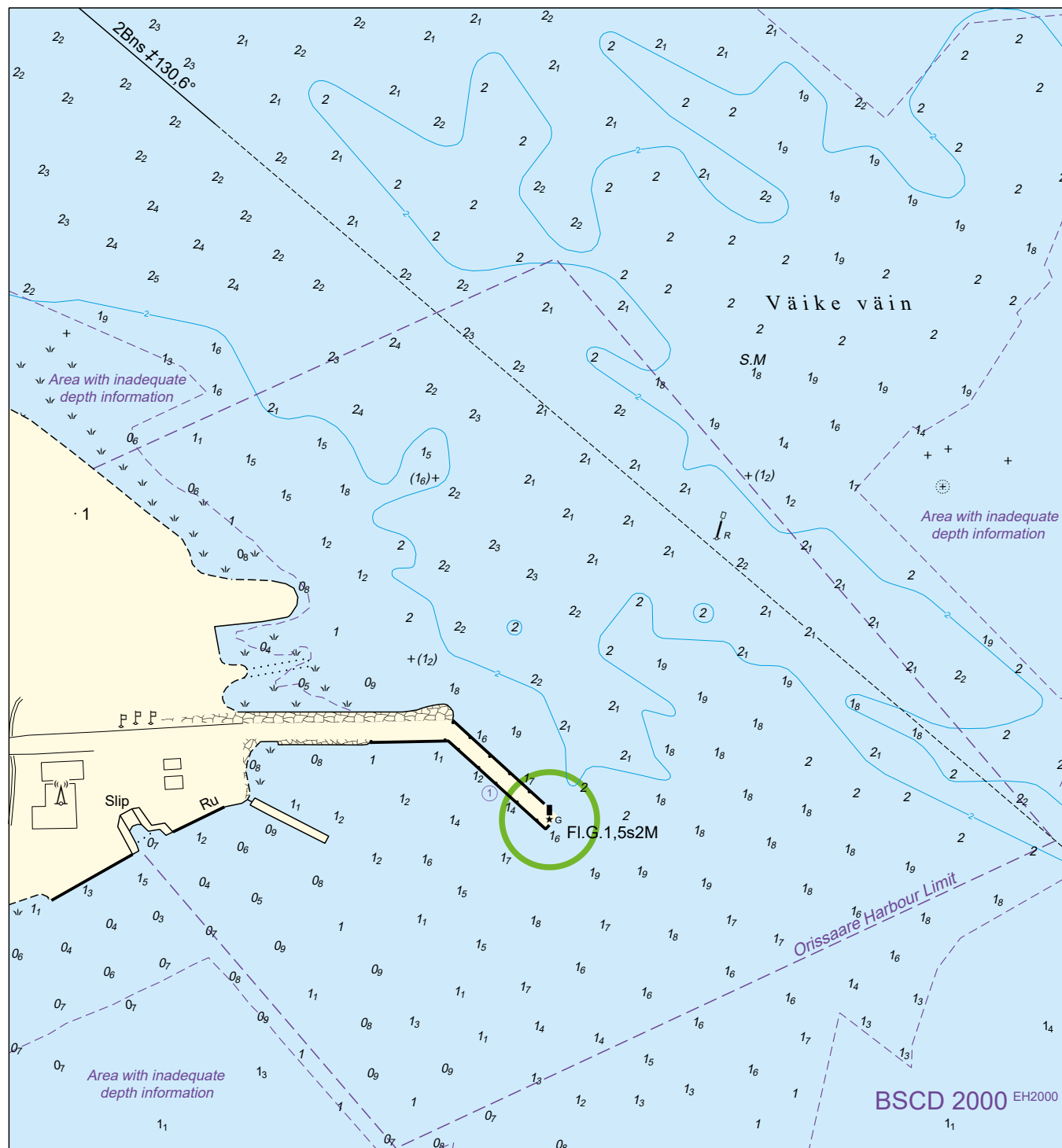
Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			15.0	5.0	1.8	small craft facilities	01.06 - 01.11
1A	43.5	1.7				small craft	
1B	40.5	0.8				small craft	
2	29.0	1.1				floating	
3	22.0	0.7				small craft	
4	32.0	0.7				small craft	
5	15.0	0.5				small craft	
slip							

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1A			*	*		*	
1B						*	
2			*	*		*	
3		*	*	*		*	
4		*	*	*		*	
5							

General
garbage reception
shower, toilet

Orissaare sadam (2023-v2)



Orissaare sadam and Uisusadam (2015)



aerial panorama - www.estonia360.ee/orissaare_sadam/ (2012)

(PR) **Uisusadam** 58°33.63'N 23°05.34'E (damaged)

Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			12.0	4.0	0.8	local harbour	01.04 - 31.10
1	45.0	1.0				fishing	

Facilities

General
toilet

Rästa-Orissaare boat pier 58°33.48'N 23°05.55'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Kassariotsa sadam approach (depths BSCD2000^{EH2000})

Channel 314° (134°)

length 60.0 m

width 5.0 m

depth 0.8 m

Restrictions

local knowledge required

Natural conditions

open to SE winds

(PR) **Kassariotsa sadam** 58°46.85'N 22°51.00'E

Prohibitions

entrance on the permission of the harbour owner

Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			12.0	4.0	0.8	local harbour	01.04 - 30.11
1	22.0	0.8				small craft	
slip							
2	17.4	0.8				small craft	

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1							
2							

General

sauna

garbage reception

Kassari sadam approach (depths BSCD2000^{EH2000})

Channel

length 78.0 m

depth 0.8 m

(PR) **Kassari sadam** 58°46.93'N 22°51.02'EMooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			12.0	4.0	0.8	local harbour	01.04 - 30.11
1	25.0	1.3				fishing boats	
2	23.0	0.6				small craft	
slip							
3	28.0	1.3				fishing boats	
4	24.5	1.3				fishing boats	
5	6.6	1.3				fishing boats	

Facilities

General
toilet

Kassariotsa sadam and Kassari sadam (2022)



Kirderanna sadam approach (depths BSCD2000^{EH2000})**Channel**

length 115.0 m

width 2.0 m

depth 1.0 m

(PR) Kirderanna sadam 58°37.33'N 22°51.80'E**Mooring** (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			6.0	2.0	0.5	local harbour	01.04 - 01.10
1	40.0	0.5 - 1.5				small craft	

Kirderanna sadam (2023)

**Tilgu-Orjaku boat pier** 58°46.88'N 22°46.82'E (private)**Approach****Restrictions**

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Männiku sadam approach (depths BSCD2000^{EH2000})

Channel 032° (212°)

length 140.0 m

width 8.0 m

depth 1.0 m

(PR) **Männiku sadam** 58°47.18'N 22°46.62'EMooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			12.0	3.0	0.85	local harbour	01.04 - 30.11
slip							
1	36.0	1.5				boats	
2	39.0	1.5				boats	

Männiku sadam (2022)



Orjaku sadam approach**Navigational aids**

- Orjaku Idg.I. 003.7° - 183.7°
 - Orjaku Idg.I. front light beacon (711/3644)
 - Orjaku Idg.I. rear light beacon (712/3644·1)
- Orjaku harbour Idg.I. 342.5° - 162.5°
 - Orjaku harbour Idg.I. front light beacon (714/3644·5)
 - Orjaku harbour Idg.I. rear light beacon (715/3644·51)
- Orjaku harbour pier light beacon (716/3645)
- Orjaku harbour W mole light beacon (713/3644·6)
- lateral marks

(PR) **Orjaku sadam** 58°47.31'N 22°46.25'E (<https://hiiumaasadamad.ee/en/orjaku/>)

Restrictions

- upon entering and leaving the departing vessel has the priority except when requested otherwise under emergency conditions
- speed shall not exceed 3 knots
- Entering and leaving prohibitions
 - wind speed over 15 m/s
 - visibility less than 50 m
- Maneuver
 - remooing is allowed only with the permission of the harbour master's office

Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			23.9	6.0	2.5	small craft facilities	01.05 - 30.09
A (West)	24.0	1.1				floating	
A (East)	24.0	0.8				floating	
B (West)	36.0	1.5				floating	
B (East)	36.0	1.0				floating	
C	45.0	2.3				fishing boats	
D	45.0	2.6				floating	
E	26.0	2.2				service	
						slip	
F	55.0	1.6				fishing boats	
						slip (SAR)	
						slip	
K	30.0	1.3				floating	
L	15.0	1.3				fishing boats	

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
A						*	
B		*				*	
C		*	*			*	
D		*	*			*	
E		*	*	*		*	
F		*	*			*	
K						*	
L						*	

General

- sauna, shower, toilet
- garbage reception

Orjaku sadam (2023)



Orjaku sadam and Tuletorni kai (2022)



aeropanoraam - www.estonia360.ee/orjaku_sadam/ (2012)

(PR) **Tuletorni kai** 58°47.35'N 22°46.25'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Reigi-Orjaku boat harbour 58°47.46'N 22°45.41'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Kata-Orjaku boat harbour 58°47.63'N 22°45.89'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Paadi-Orjaku boat harbour 58°47.69'N 22°45.84'E (private)

Approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Puulaiu boat harbour approach**Channel**

length 135.0 m
width 13.0 m
depth 1.0 m

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Puulaiu boat harbour 58°48.19'N 22°44.65'E**Mooring**

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
						local harbour	
1	70.0	1.2				small craft	
slip							

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1							Wi-Fi

Puulaiu boat harbour (2012)



Triigi sadam approach (depths BSCD2000^{EH2000})**Navigation aids**

Triigi harbour ldg.l. 228.6° - 048.6°

Triigi harbour ldg.l. front light beacon (905/3642·2)

Triigi harbour ldg.l. rear light beacon (906/3642·3)

Triigi yacht harbour light beacon (904/3642·1)

Channel

length 900.0 m

width 70.0 m

depth 4.0 m

lateral marks

Restrictions

small craft in vessel traffic must keep away as far as possible from the center line as allowed by their own safe navigation

(PR) **Triigi sadam** 58°35.52'N 22°43.17'E (<https://saarteliinid.ee/en/triigi/>)**Communication channels**

VHF 12 — Triigi sadam

Restrictions

the ferry following the scheduled timeline always has the priority when entering or leaving the harbour

upon other ships simultaneous entering and leaving the harbour the departing vessel has the priority except when requested otherwise under emergency conditions

small craft is not permitted to move closer than 30 m to the quays or ships alongside except for berthing themselves

minimal speed, at which the ship maintains maneuverability, is implemented

Entering and leaving prohibitions

NE wind speed over 20 m/s

Maneuver

remooring is allowed only with the permission of the harbour master's office

pilotage is compulsory for remooring a vessel, except hauling

Real time weather<http://on-line.msi.ttu.ee/triigi/?eng><http://on-line.msi.ttu.ee/meretase/graph.php?en&jaam=triigi>**Mooring** (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			70.0	15.0	4.0	small craft facilities and ferry transit service	01.01 - 31.12
1	70.0	4.4	70.0	15.0		ferry, ramp	
2	70.0	4.1				ferry, ramp	
3	51.0	1.5	51.0	15.0			
4	25.5	2.3	25.0	15.0		small craft	
marina							
5	36.0	2.6	10.0	5.0		floating	
6	36.0	2.3	10.0	5.0		floating	

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1		*	*	*		*	
2		*					
3		*	*	*		*	
4			*	*		*	
5						*	
6						*	

General

garbage and waste reception
sauna, shower, toilet

Triigi sadam (2021)



aerial panorama - www.estonia360.ee/triigi_sadam/ (2012)

Soela sadam approach (depths BSCD2000^{EH2000})

Navigational aids

Soela harbour N mole light beacon ([909.1/3643-2](#))Soela harbour S mole light beacon ([909.2/3643-1](#))

lateral marks

Channel

length 180.0 m

width 10.0 m

depth 1.7 m

Natural conditions

entrance often filled with drift sand

(PR) Soela sadam 58°37.06'N 22°35.61'E (<https://soelasadam.ee/ee/>) (in Estonian only)Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			15.0	5.0	1.7	small craft facilities	01.05 - 30.11
1	62.3	1.8				small craft	
2	15.1	1.8				fishing boats	
3	15.6	1.8				fishing boats	
4	9.6	1.8				fishing boats	
5	24.2	1.8				fishing boats	
slip							
6	36.0	1.8				floating	
7	24.2	1.8				floating	

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1	*	*				*	Wi-Fi
2		*				*	Wi-Fi
3		*				*	Wi-Fi
4		*				*	Wi-Fi
5		*				*	Wi-Fi
6							Wi-Fi
7							Wi-Fi

General

garbage reception

toilet

CCTV (recording)

Soela sadam (2023)



aerial panorama - www.estonia360.ee/soela_sadam/ (2012)

Tärkma sadam approach (depths BSCD2000^{EH2000})

Channel

length 400.0 m

width 6.0 m

depth 0.5 m

Natural conditions

during the periods of low water the depth at the entrance to the channel may be less than 1 m

(PR) **Tärkma sadam** 58°41.61'N 22°36.57'E

Restrictions

small craft, visiting the harbour, will not be accepted

Mooring (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			8.0	2.5	0.8	local harbour	01.04 - 30.11
slip							
E quay	35.0	1.4				fishing boats	
W quay	30.0	1.4				fishing boats	
N quay	17.0	1.4				fishing boats	

Facilities

General
toilet

Tärkma sadam (2014)



Sõru sadam approach**Sõru Jahisadam approach****Navigational aids**

Sõru harbour W mole light beacon (698/3720-8)

Sõru harbour E mole daymark (699/-)

Channel (Sõru Jahisadam - BSCD2000^{EH2000})

length 255.0 m

width 20.0 m

depth 2.6 m

Restrictions

small craft in vessel traffic must keep away as far as possible from the center line as allowed by their own safety to navigation

(PR) **Sõru sadam** 58°41.50'N 22°31.30'E (<https://saarteliinid.ee/en/soru/>)(PR) **Sõru Jahisadam** 58°41.66'N 22°31.43'E (<https://hiiumaasadamad.ee/en/soru/>)**Restrictions**

the ferry following the scheduled timeline always has the priority when entering or leaving the harbour

upon other ships simultaneous entering and leaving the harbour the departing vessel has the priority except when requested otherwise under emergency conditions

small craft is not permitted to move closer than 30 m to the quays or ships alongside except for berthing themselves

minimal speed, at which the ship maintains maneuverability, is implemented

Entering and leaving prohibitions

W wind speed over 18 m/s

Maneuver

remooring is allowed only with the permission of the harbour master's office

pilotage is compulsory for remooring a vessel, except hauling

Real time weather<http://on-line.msi.ttu.ee/soru/?eng>**Mooring** (depths BSCD2000^{EH2000})

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
Sõru sadam			55.0	15.0	3.9	small craft facilities and ferry transit service	01.01 - 31.12
1	60.7	4.5				ferries, ramp	
2	40.3	3.9				small craft	
3A	32.4	4.0				small craft	
3B	40.3	3.0				small craft	
Sõru Jahisadam			24.0	6.0	2.3	small craft facilities	01.05 - 30.09
4	30.0	1.5				small craft	
5	45.0	1.7				small craft	
6	14.0	1.7				small craft	
7	18.0	1.8				small craft	
8	81.0	1.7				floating	
9	36.0	1.6				small craft	
slip							
10	56.0	3.0				small craft	

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
Sõru sadam							
1	*	*	*	*		*	Wi-Fi
2	*		*	*		*	Wi-Fi
3A	*		*	*		*	Wi-Fi
3B		*				*	Wi-Fi
Sõru Jahisadam							
4		*				*	Wi-Fi
5						*	Wi-Fi
6							Wi-Fi
7							Wi-Fi
8		*				*	Wi-Fi
9							Wi-Fi
10		*				*	Wi-Fi

General

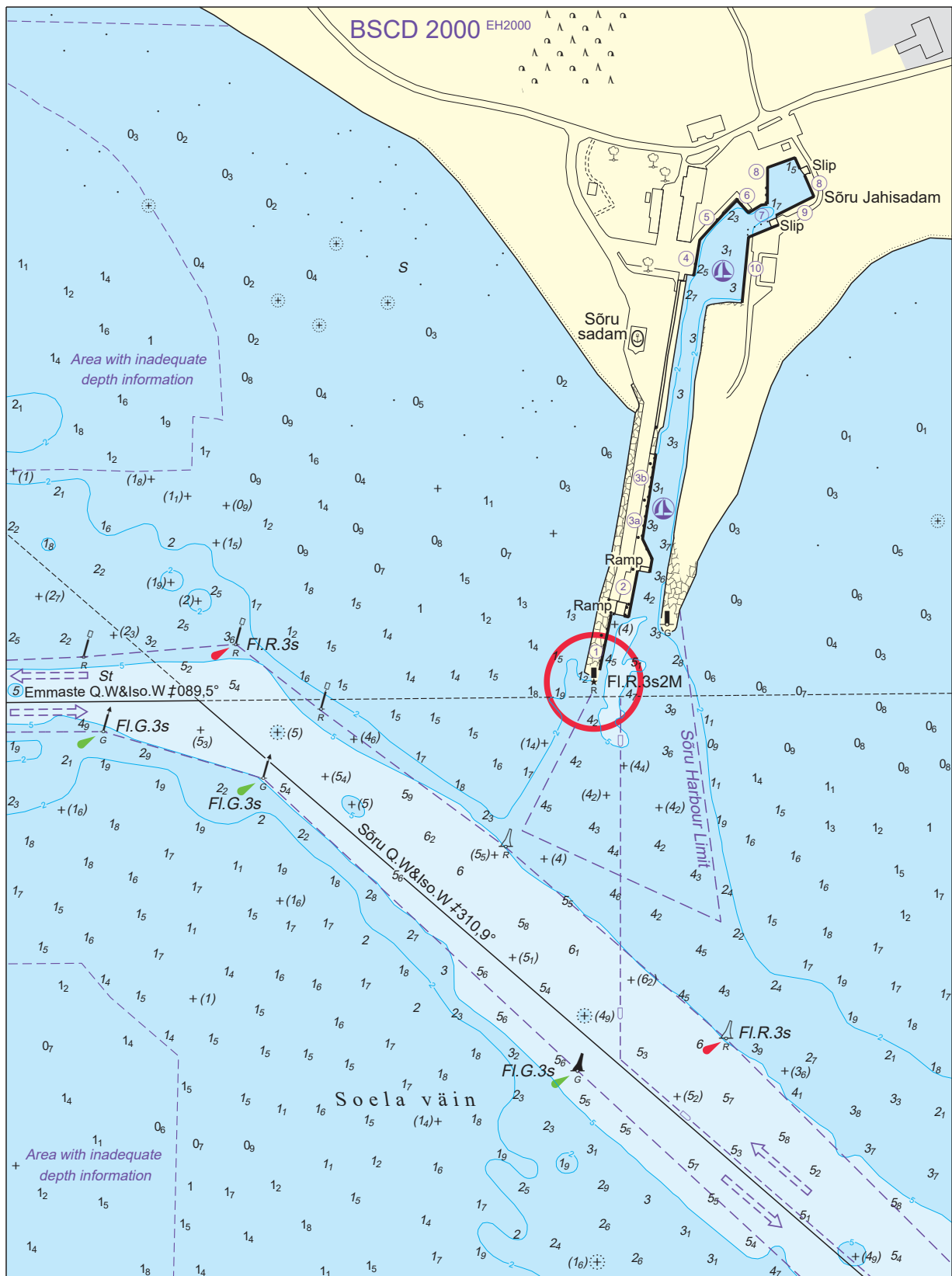
sweepings reception

garbage and waste reception

toilet

Sõru Jahisadam: shower, laundry

Sõru sadam and Sõru Jahisadam (2025)



Sõru sadam and Sõru Jahisadam (2023)



aerial panorama - www.estonia360.ee/soru_sadam/ (2012)

FLOATING AIDS

SYMBOLS

Cardinal marks

UNLIT MARKS	LIGHTED MARKS
Topmark (if any): 2 black cones	White light Time (seconds) 0 5 10 15 Period shown N mark Q E mark Q(3)10s S mark Q(6)+LFI.15s W mark Q(9)15s The periods 5s, 10s and 15s, may not always be charted

Isolated danger marks stationed over dangers with navigable water around them

Body: black with red horizontal band
Topmark (if any): 2 black spheres



Fl(2)

white light

Safe water marks such as mid-channel and landfall marks

Body: red and white vertical stripes
Topmark (if any): red sphere



LFl.10s or
Mo(A)

white light

Special marks not primarily to assist navigation but to indicate special features

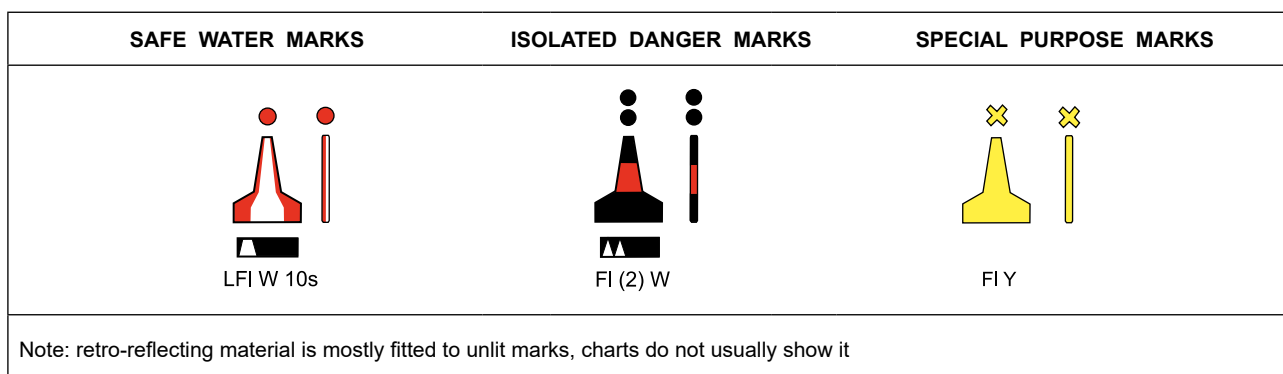
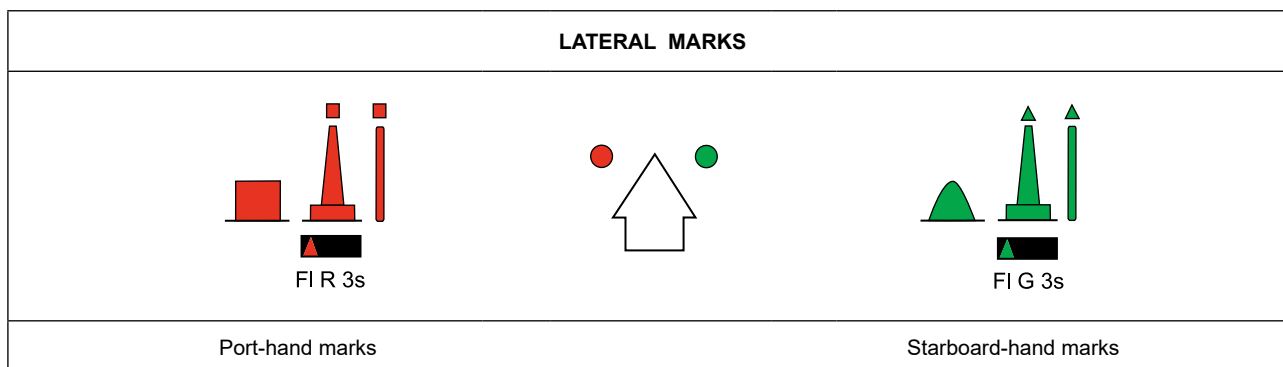
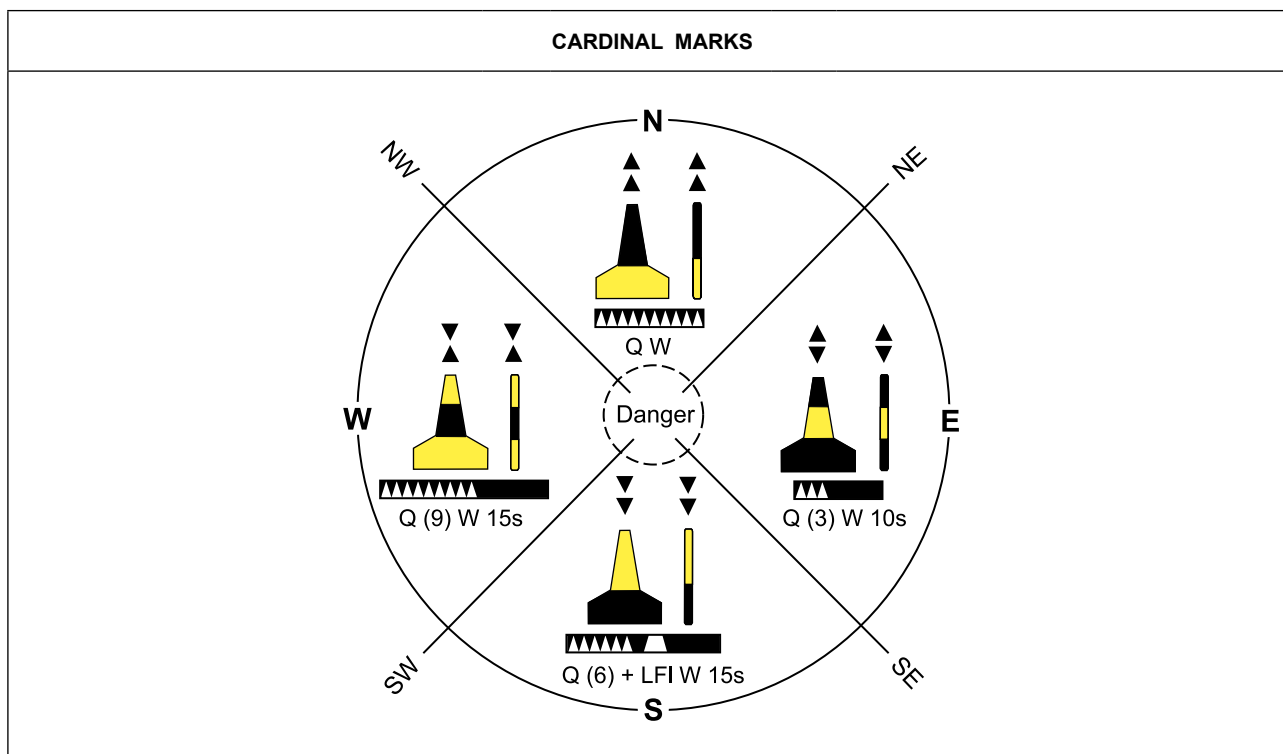
Body: yellow
Topmark (if any): yellow x



Fl.Y

yellow light

COLOUR SCHEME



ESTONIAN MARITIME COMMUNICATION

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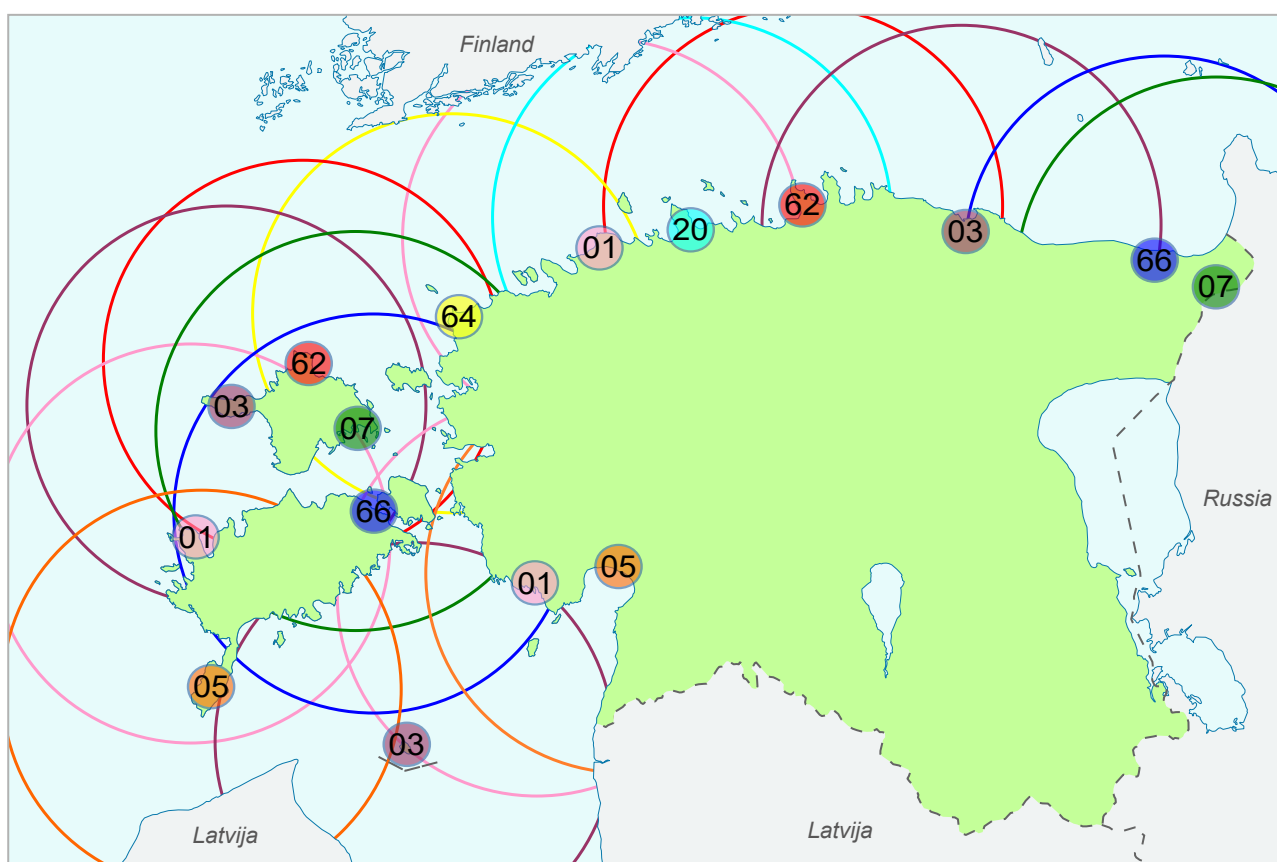
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scheme of the base stations



○ - Tallinn Radio base stations and VHF duplex working channels