REPUBLIC OF ESTONIA
TRANSPORT ADMINISTRATION

Sailing Directions for Estonian Waters

part 4

Gulf of Finland

4.1 Põõsaspea neem to Suurupi poolsaar

Updated 01.03.2026

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Cartography Department

Fourth release May 2023

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

HEIGH 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/

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

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

NOTATION OF AMENDMENTS

year 2025, changed pages: 3, 7, 27, 29, 34, 35

4th release

2026

Month	Page number																														Month
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	
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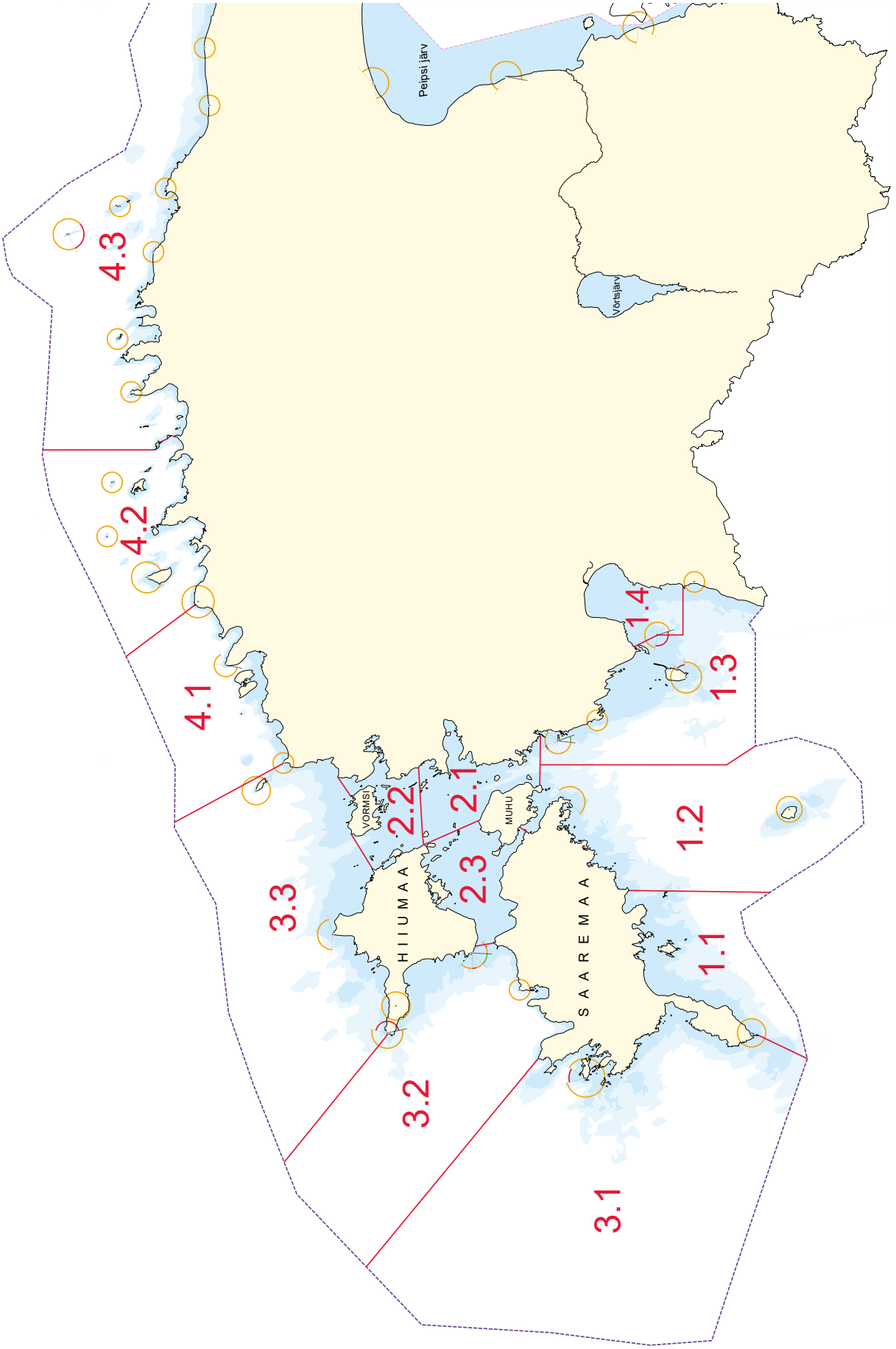
XII																															XII

Please inform of any changes currently in use at navinfo@transpordiamet.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
- MMSI
  - 002760100
- call sign
  - Tallinn Rescue
- INMARSAT-C
  - 581492480040
- phone
  - +3726191224
  - emergency 112
- fax
  - +3726922501
- e-mail
  - jrcc@politsei.ee

Voluntary

Estonian Voluntary Rescue Union
https://maps.google.com/maps/ms?msid=209030024585672908914.0004a764b01c5b3c55d52&msa=0

Estonian Maritime Rescue Organization
https://sar.ee *(in Estonian only)*

Gulf of Finland

General

Area
Põõsaspea – Hanko line to Bay of Narva laht

Description
well-indented coastline is intersected with relatively deep bays
the coast is framed with frequent cliffs
rocky and shallow beach, several short stretches of sandy beaches
varied bottom sediments
shallow offshore bank is predominantly covered with cobblers and boulders

Currents
surface current is counterclockwse
water level rise due to W-driven winds and fall due to E-driven winds

Salinity
surface 6 ‰ in W part, surface 2 ‰ in E part

Waves
with WSW strong winds the significant wave height in the open part may reach to 6 m, in E-part up to 5 m
swell is short-term
surges of storm generated waves occur along the axis of the Gulf even if the wind direction against the axis is 30°- 40°

Climate and weather

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

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

Mean monthly air temperature (°C) 1981 – 2010

Station / Month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Pakri	-2.5	-3.6	-0.7	4.1	9.4	13.8	17.3	16.5	12.0	7.4	2.2	-0.9
Kunda	-3.8	-4.8	-1.3	4.1	9.6	14.0	17.1	15.9	11.3	6.6	1.2	-2.2

Mean monthly wind speed (m/s) / maximum blast (m/s) 1981 – 2010

Station / Month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Pakri	5.0/31.0	4.5/28.6	4.2/27.0	3.8/23.0	3.7/24.0	3.6/20.3	3.4/24.0	3.6/23.0	4.1/26.0	4.7/34.0	4.8/30.0	5.0/28.0
Kunda	4.6/25.0	4.2/23.0	3.9/23.0	3.7/24.0	3.4/22.0	3.3/25.0	3.1/25.0	3.4/25.6	3.8/26.0	4.4/25.0	4.6/28.0	4.8/27.0

Mean monthly air pressure (hPa)(*) 1981 – 2010

Station / Month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Pakri	1010.8	1013.0	1012.6	1014.3	1015.2	1012.4	1012.3	1012.4	1013.3	1012.9	1011.9	1011.0
Kunda	1011.0	1013.6	1012.9	1014.5	1015.2	1012.3	1012.4	1012.5	1013.5	1013.2	1012.4	1011.4
(*) - 1 hPa = 0.75006 mm Hg at 0°C												

Mean monthly cloudiness (balls) 1981 – 2000

Station / Month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Pakri	8.4	7.6	7.0	6.5	5.7	6.3	6.2	6.7	7.1	7.5	8.4	8.5
Kunda	8.4	7.5	6.8	6.5	5.9	6.4	6.1	6.6	7.1	7.4	8.5	8.5

Mean monthly number of foggy days 1981 – 2000(*)

Station / Month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Pakri	3	3	4	5	4	1	1	2	2	2	2	2
Kunda	1	1	2	4	3	2	2	1	2	1	1	0
(*) - following fog variations are considered in calculating foggy days: fog, transparency atmosphere fog, ice fog, transparency atmosphere ice fog												

Mean monthly number of precipitation days / mean amount of precipitation (mm) 1981 – 2010(**)

Station / Month	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Pakri(*)	13/50.3	9/36.2	8/31.1	7/30.5	6/27.5	9/56.7	8/54.0	10/64.6	10/57.9	11/64.8	12/57.8	13/51.1
Kunda	10/38.6	7/26.4	7/27.8	6/25.2	6/38.9	9/70.5	9/67.1	11/82.0	10/60.3	12/61.9	11/50.5	9/38.1
(*) - 1981 – 2003 mean monthly number of days / amount of precipitation (**) - daily amount from 1.0 mm												

Sea water level

Station	Observation period	Highest (cm)	Date	Lowest (cm)	Date
Põõsaspea, Dirhami	1954-2011	148	18.10.1967	-95	09.12.1959
Tallinn	1842-1882, 1886-1917, 1923-1940, 1945, 1947-1995	152	09.01.2005	-95	09.12.1959
Loksa	1923-1944, 1950-1958, 1996-2008, 2010-2011	169	09.01.2005	-95	30.01.1937
Kunda	1948-1989, 1997-2011	157	06.01.1975	-110	10.03.1972
Toila	1989-2008	160	09.01.2005	-95	12.04.1998
Narva-Jõesuu	1899-1915, 1923-1943, 1945-2010	202	23.09.1924	-141	09.01.1914

Information on mean winter ice cover on Estonian territorial waters 1971 – 2011

Area	Ice formation date			Ice clearing date			Ice days		Ice thickness (cm)	
	mean	earlier	later	mean	earlier	later	mean	min/max	mean	min/max
Soome laht	24. Jan	17. Dec	23. Feb	06. Apr	02. Mar	07. May	69	4/137	18 – 29	5/45
Pakri laht	05. Feb	25. Dec	22. Mar	25. Mar	18. Feb	29. Apr	37	0/125	10 – 19	0/35
Tallinna laht (3)*	03. Feb	25. Dec	22. Mar	30. Mar	01. Mar	30. Apr	43	0/126	12 – 23	0/40
Muuga laht (2)*	22. Jan	16. Nov	22. Mar	28. Mar	21. Feb	30. Apr	53	0/135	17 – 27	0/45
Hara laht (1)*	21. Jan	21. Nov	28. Feb	02. Apr	01. Mar	30. Apr	57	0/107	16 – 27	0/60
Kunda laht	07. Jan	16. Nov	23. Feb	01. Apr	11. Jan	07. May	73	29/147	20 – 30	5/60
Narva laht	02. Jan	16. Nov	02. Feb	02. Apr	20. Jan	07. May	81	32/151	23 – 34	10/60
(...)* - icefree number of years in observation period										

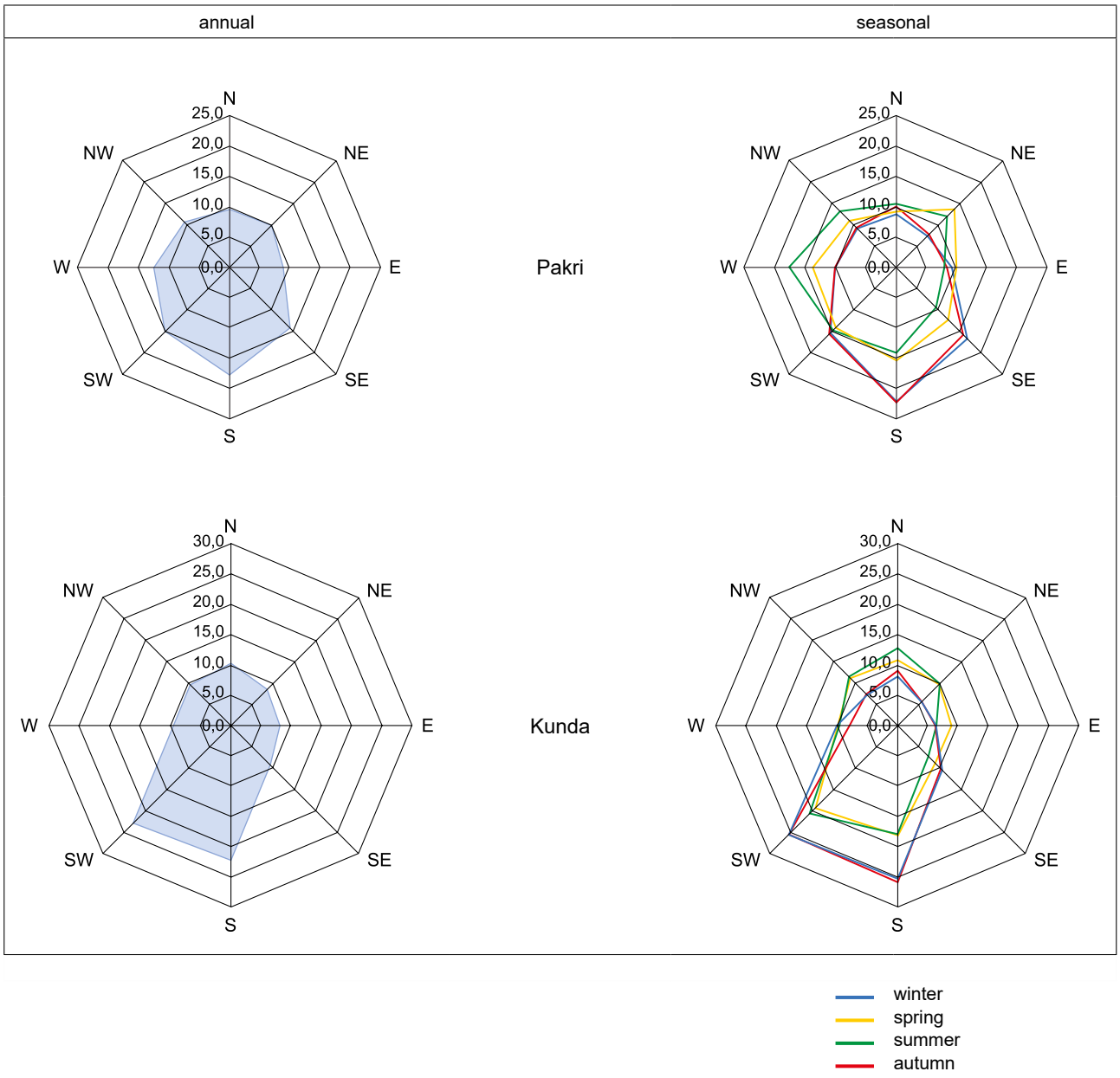
Winds

Mean wind direction (%) in relation to wind speed through years 1981 – 2010

PAKRI	N	NE	E	SE	S	SW	W	NW	total
calm									**2.03**
1 – 5 m/s	7.0	7.76	7.85	12.36	13.73	8.1	6.73	7.09	**70.63**
6 – 10 m/s	2.23	2.01	1.07	1.23	4.25	5.86	5.27	2.93	**24.86**
11 – 15 m/s	0.24	0.16	0.08	0.01	0.17	0.61	0.73	0.36	**2.35**
over 15 m/s	0.01	0.01	0	0	0	0.02	0.05	0.03	**0.13**
total	**9.49**	**9.94**	**9.01**	**13.61**	**18.15**	**14.59**	**12.78**	**10.41**	**100.0**

KUNDA	N	NE	E	SE	S	SW	W	NW	total
calm									**3.02**
1 – 5 m/s	6.08	4.72	6.07	7.95	16.32	17.5	8.12	7.32	**74.09**
6 – 10 m/s	3.24	2.77	1.08	1.12	5.45	4.87	1.0	1.9	**21.43**
11 – 15 m/s	0.65	0.41	0.03	0.01	0.07	0.06	0	0.16	**1.38**
over 15 m/s	0.04	0.02	0	0	0	0	0	0.02	**0.08**
total	**10.01**	**7.92**	**7.17**	**9.08**	**21.84**	**22.44**	**9.13**	**9.4**	**100.0**

Wind frequency



Regions

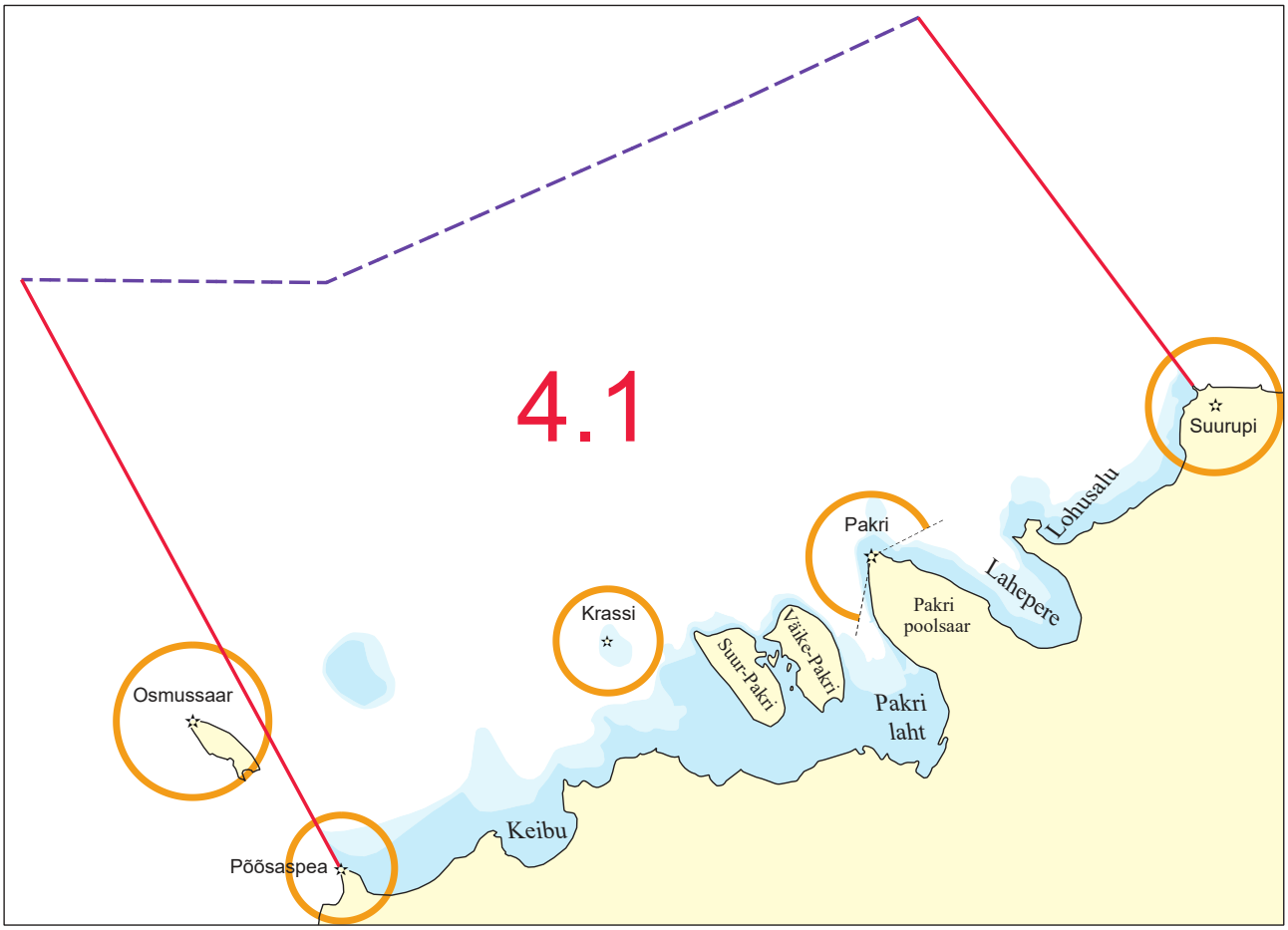
4.1 Põõsaspea neem to Suurupi poolsaar

Nõva sadam p 20
Ristna sadam p 22
Alliklepa sadam p 24
Paldiski Põhjasadam p 27
Lillby boat pier p 31
Paldiski Lõunasadam p 32
Kurkse sadam p 36
Siimas boat harbour p 39
Pakrineeme sadam p 39
Lohusalu sadam p 42
Keila-Joa river harbour p 45

4.2 Suurupi poolsaar to Kaberneeme poolsaar

4.3 Kaberneeme poolsaar to Narva jõgi

4.1 SCHEME OF THE MARITIME AREA



4.1 marine area navigational charts

Estonian Maritime Administration chart No	INT chart No	Scale
305	1215	250 000
302		250 000
509	1268	100 000
507	1267	100 000
614		50 000
612		50 000
610	1123	50 000
827		10 000

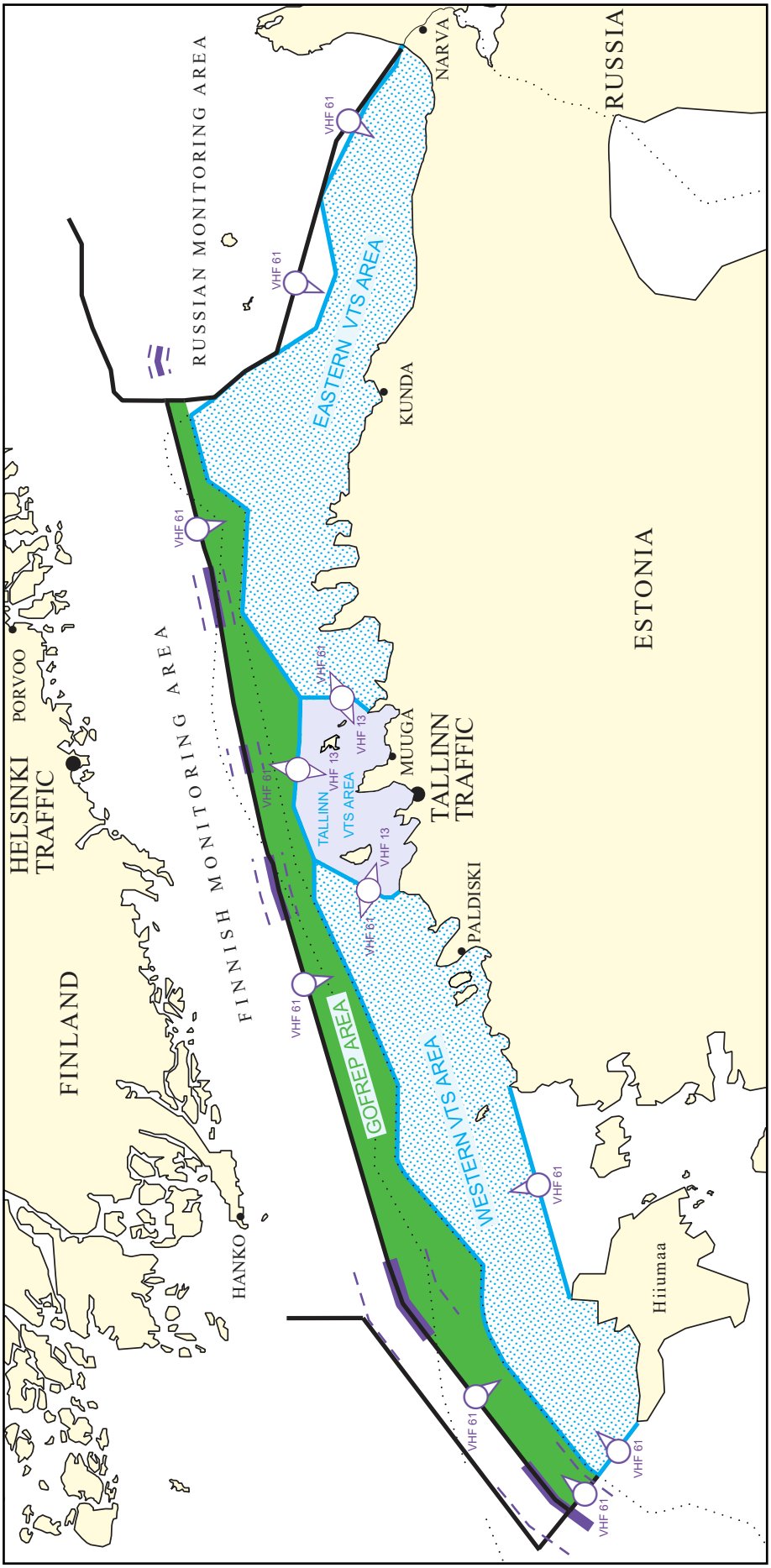
Atlas
Charts of Estonia, Vol 1
Charts of Estonia, Vol 2

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 tha cable area, on the cable or pipeline track and 0.5 M on either side of these

GOFREP



Mandatory report on entry

GOFREP - for vessels of GT 300 and over
VTS - for vessels of LOA 24 m and above
channel
VHF 61 (81)
call sign
Tallinn Traffic

phone
GOFREP +3726205765
VTS +3726205770
e-mail
gofrep@transpordiamet.ee, tln.vts@transpordiamet.ee

4.1 Põõsaspea neem to Suurupi poolsaar

Vicinity

B a y s

Bay	Position, area limits	Description	Restrictions
Keibu laht	59°14.90'N 23°42.46'E	depth at the entrance is less than15 m, in the middle 5-8 m; bottom sand and silt	
Allika laht	59°16.46'N 23°46.19'E	depth at the entrance is less than 8 m	
Vihterpalu laht	59°16.49'N 23°53.35'E	depth at the entrance is less than 3 m; bottom sand, big rocks	
Abbor-grånne	59°19.83'N 23°57.68'E	shallow	
Pakri laht	59°19.81'N 24°02.59'E	depth at the entrance is less than 47 m, in the middle 25 m	
Lahepere laht	59°22.17'N 24°11.12'E	depth at the entrance is less than 29 m, in the middle 18 m; bottom sand, clay and silt; boulders	
Lohusalu laht	59°25.56'N 24°17.21'E	depth at the entrance is less than 32 m, offshore shoal less than 6 cables in width, solitary boulders under and above sea level	

Hazards

Bay	Hazard	Least depth (m)	Position N/E		Nav. aid	No	Notes
	military practice area No 1A		59°22.26'	23°32.71'			
	military practice area No 1B		59°17.13'	23°34.80'			
	former explosives dumping ground		59°20.20'	23°32.25'			
	Neugrund	0.5	59°20.15'	23°30.58'	N buoy	415	
	Toodrikivi	0.4	59°15.20'	23°35.50'	N spar buoy	1061	
	Sandgrund	1.4	59°15.42'	23°36.18'	N buoy	414	
	rock	awash	59°14.76'	23°39.00'			
	wreck	awash	59°14.80'	23°39.90'			in Nõva harbour
	rock	awash	59°16.52'	23°44.69'			
	wreck	unknown	59°19.38'	23°51.26'	W spar buoy	1057	
	wreck	above sea level	59°20.67'	23°55.71'			
Pakri laht	former explosives dumping ground	16.0	59°20.37'	24°00.80'			
Pakri laht	obstructions	16.7	59°20.16'	24°02.41'			in anchorage area "A"; anchorage in radius 1 cable is prohibited
Pakri laht	explosive	unknown	59°20.09'	24°02.43'			in anchorage area "A"
Pakri laht	unnamed	1.7	59°18.09'	24°02.34'			
Abbor-grånne	wreck	above sea level	59°19.86'	23°57.55'			
	Pakri madal	6.2	59°24.74'	24°02.50'	N buoy	382	
Lahepere laht bay-mouth	rock	unknown	59°23.94'	24°10.22'			
	Lohusalu madal	5.7	59°25.39'	24°11.29'	N spar buoy	1053	
	wreck „Jossif Stalin”	6.5	59°24.87'	24°11.59'			possibility of explosives
	unnamed	2.9	59°24.81'	24°12.30'			
Lohusalu laht	wreck	above sea level	59°23.93'	24°13.07'			
	unnamed	1.5	59°28.68'	24°20.83'			

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
	Krassi saar	59°20.67'	23°46.49	low, rocky	
	Suur-Pakri	59°19.58'	23°54.70'	N coast limestone cliff, deciduous woods, meadows	
	Väike-Pakri	59°20.36'	23°58.63'	up to 17 m in height, N coast limestone cliff; deciduous woods, meadows	

Navigational aids

database of Estonian aids to navigation - https://nma.vta.ee/			
Island, inlet	**Navigational aid**	**Nav. aid No**	**Notes**
Osmussaar	Osmussaar lighthouse	425/3760	
	Põõsaspea light beacon	420/3764	
Krassi saar	Krassi light beacon	405/3767	
	Pakri lighthouse	380/3774	
Suur-Pakri saar	Suur-Pakri light beacon	404/3768	
Väike-Pakri saar	Väike-Pakri light beacon	403/3769	
	Madise ldg.l. front light beacon	401/3778	
	Madise church, ldg.l. rear	402/3778·1	
	Laulasmaa daymark	378/-	
	Suurupi lighthouse	375/3786·1	

Other marks

Island, inlet	**Mark**	**Position N/E**		**Notes**
Osmussaar	Osmussaar radar tower, wind turbine	59°17.63'	23°23.31'	aviation obstruction lights
	Elbiku communication mast	59°10.12'	23°31.90'	aviation obstruction lights
	Dirhami communication mast	59°12.52'	23°29.61'	aviation obstruction lights
	Dirhami communication mast	59°12.43'	23°30.35'	aviation obstruction lights
	Põõsaspea observation tower	59°13.72'	23°30.58'	
	Rannaküla chimney	59°14.78'	23°39.54'	
	Vaisi communication mast	59°12.63'	23°41.85'	aviation obstruction lights
	Keibu communication mast	59°15.50'	23°46.44'	aviation obstruction lights
	Vihterpalu communication mast	59°15.22'	23°52.59'	aviation obstruction lights
	Harju-Risti communication mast	59°13.68'	24°00.39'	aviation obstruction lights
Suur-Pakri saar	Suur-Pakri church	59°18.35'	23°56.04'	ruins
Väike-Pakri saar	Väike-Pakri observation tower	59°21.69'	23°57.26'	
	Pakri wind turbines (26 pcs)	59°22.30'	24°04.57'	aviation obstruction lights
	Pakrineeme observation tower	59°23.24'	24°02.16'	
	Paldiski communication mast	59°21.30'	24°04.92'	aviation obstruction lights
	Paldiski water tower	59°21.31'	24°05.20'	
	Paldiski chimney	59°21.19'	24°03.95'	
	Paldiski communication mast	59°21.07'	24°04.15'	aviation obstruction lights
	Paldiski communication mast	59°20.70'	24°03.58'	aviation obstruction lights
	Paldiski communication mast	59°20.44'	24°04.84'	aviation obstruction lights
Väike-Pakri saar	Väike-Pakri church	59°19.74'	24°00.34'	ruins
	Paldiski chimney	59°21.66'	24°06.58'	aviation obstruction lights
	Laulasmaa communication mast	59°22.85'	24°14.18'	aviation obstruction lights
	Käesalu communication mast	59°22.34'	24°18.35'	aviation obstruction lights
	Lohusalu chimney	59°23.49'	24°12.96'	
	Meremõisa communication mast	59°23.82'	24°16.55'	aviation obstruction lights
	Türisalu chimney	59°24.43'	24°17.99'	
	Vääna-Jõesuu communication mast	59°26.01'	24°22.33'	aviation obstruction lights
	Suurupi communication masts (2 pcs)	59°27.70'	24°22.57'	aviation obstruction lights
	Suurupi lighting tower	59°28.39'	24°21.60'	

Topography

C o a s t

Põõsaspea neem to Pakri poolsaar the coast is low and wooded and continues low and flat till it forms a limestone cliff. Offshore bank is up to1 M in width. Pakri islands are bordered with rocky shoal

Pakri poolsaar to Suurupi poolsaar the coast is high in places steep and predominantly covered with woods offshore bank is less than 0,5 M in width and rocky

10 m isobath lies up to 8 cables from the coastline

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

Anchorages

see bay description p 15

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

(PR) Nõva sadam 59°14.85'N 23°39.89'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)		
			12.0	3.0	1.5	small craft facilities	01.01 - 31.12
1	20.2	1.3				small craft	
2	28.9	2.3				fishing	
3	45.6	2.0				fishing	
4	11.6	1.4				floating	
5	24.0	2.0				floating	
slip							

Nõva sadam (2020)

aerial panorama - www.estonia360.ee/nova/ (2012, winter)

Ristna sadam approach (depths BSCD2000[EH2000])

Channel 137° (317°)
width 10.0 m
depth 1.7 m

(PR) **Ristna sadam** 59°16.26'N 23°44.69'E (www.ristnasadam.ee/et/) *(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	6.0	1.7	small craft facilities	01.04 - 30.10
1	55.0	0.9					
2	28.0	1.7					
slipp							
3	11.0	2.1					
4	10.0	1.7					
5	50.0	1.9					
6	48.0	1.15					

Facilities

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

General
garbage and waste reception

Ristna sadam (2020)

aerial panorama - www.estonia360.ee/ristna_sadam/ (2012, winter)

Alliklepa sadam approach (depths BSCD2000[EH2000])

Navigational aids

Alliklepa harbour W mole daymark (407.1/-)
Alliklepa harbour E mole daymark (407.2/-)

Channel

length 180.0 m
width 10.0 m
depth 2.4 m
lateral marks

[(PR)] **Alliklepa sadam** 59°17.05'N 23°47.54'E (https://alliklepasadam.ee/) *(in Estonian only)*

Restrictions

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

speed limit 3 knots

Entering and leaving prohibitions

wind speed over 12 m/s
visibility under 50 m
wave height over 1 m

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)		
			12.2	4.0	2.3	small craft facilities	01.05 - 30.09
1	36.0	2.4				floating	
slip							

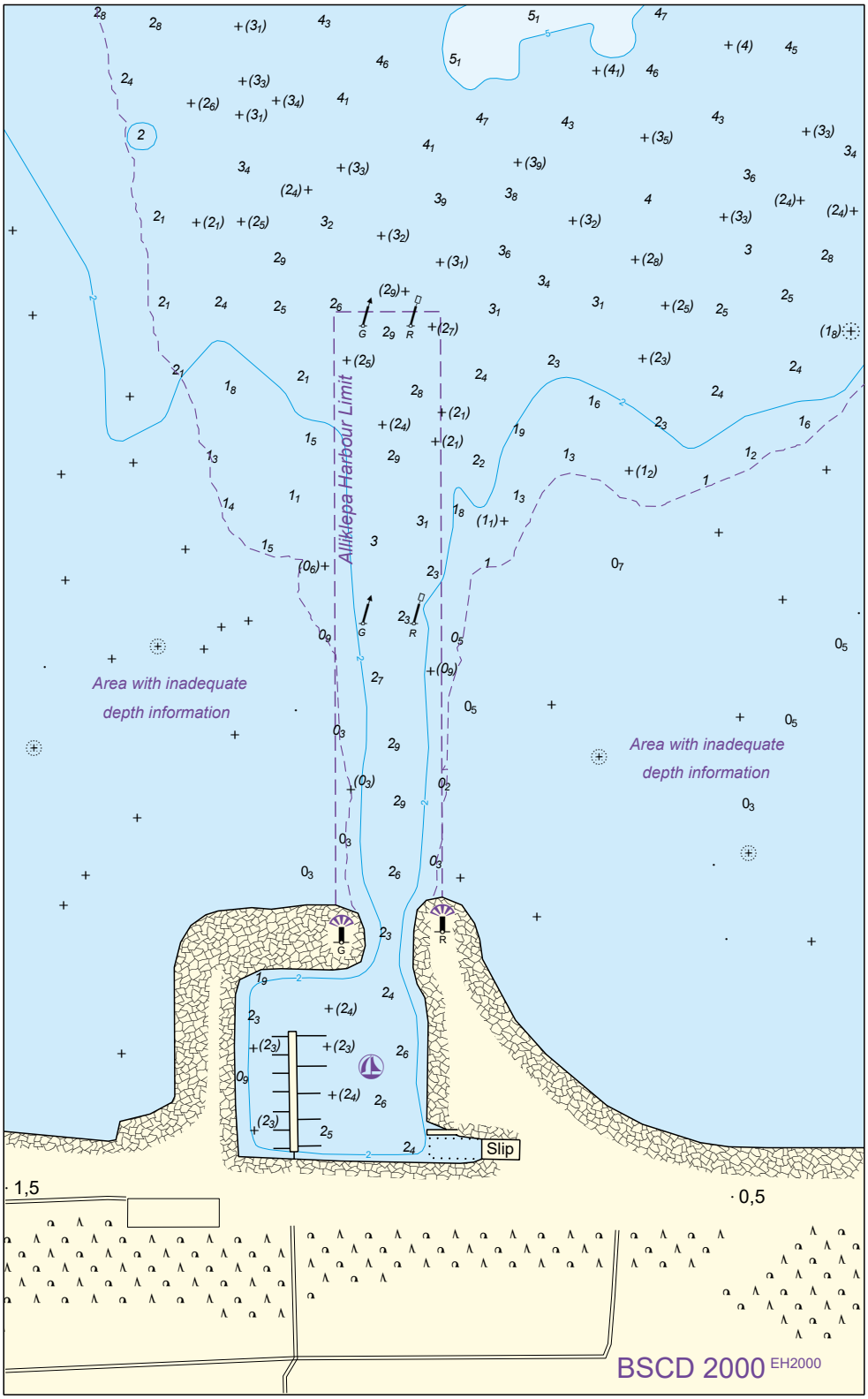
Facilities

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

General

garbage and sewage water reception
toilet

Alliklepa sadam (2021)



Alliklepa sadam (2022)

Paldiski Põhjasadam approach

Navigational aids

Paldiski Põhjasadam harbour W mole light beacon (385/3775·4)
Paldiski Põhjasadam harbour breakwater light beacon (384/3775·7)
Paldiski Põhjasadam harbour quay No 1 light beacon (386/3775·5)
Paldiski Põhjasadam harbour N buoy (383.1/-)
Paldiski Põhjasadam harbour N buoy (383/-)

(PR) **Paldiski Põhjasadam** 59°21.25'N 24°02.22'E (www.portofpaldiski.ee/eng/index.html)

Communication channels

VHF 12 — Paldiski Põhjasadam

Anchorage

"D" 59°22.13'N 23°54.75'E
"A" 59°19.99'N 24°02.26'E

Pilot service

pilotage is compulsory
boarding place Paldiski harbours 59°23.0'N 24°00.0'E
VHF 9 — Paldiski Pilot

Restrictions

upon several vessels entering or leaving simultaneously the harbour master's office will determine the order of movement

regular liners shall have the priority right to enter or leave the port except upon delay or emergency situations

minimal speed maintaining manoeuvrability

no service is provided for small craft

Entering and leaving prohibitions
wind speed over 20 m/s
visibility under 500 m
wave height over 2 m

Mooring
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

www.ilmateenistus.ee/meri/vaatlusandmed/paldiski-pohjasadam/?lang=en

Mooring (depths BSCD2000[EH2000])

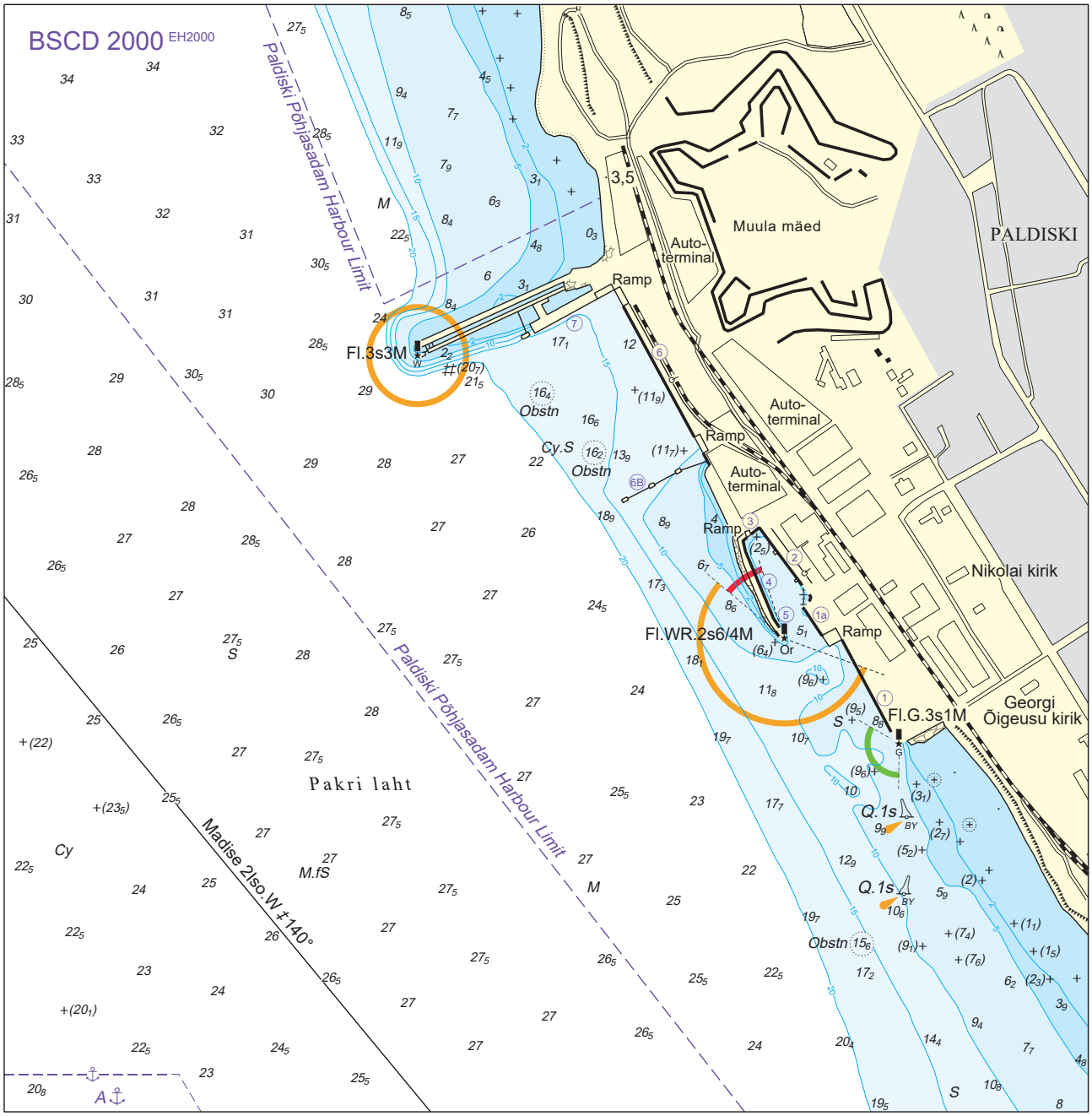
Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			250.0	36.0	12.0	commercial shipping	01.01 - 31.12
1A	59.0	4.9	55.0			temporary stay	
1 (ramp)	200.0	9.3	195.0			ro-ro	
2	140.0	4.9	115.0			cargo	
3	35.0	4.9	30.0			temporary stay	
4	136.0	3.7	110.0			cargo	
5	38.0	3.7	35.0			cargo	
6B	155.0	8.6	195.0			ro-ro	
6 (ramp)	310.0	11.5	250.0			ro-ro, cargo	
7 (ramp)	170.0	12.2	250.0			ro-ro, cargo	

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1A	*	*	*	*		*	
1	*	*	*	*		*	
2	*	*	*	*	*	*	
3	*	*	*	*		*	
4	*	*	*	*		*	
5	*	*	*	*		*	
6B	*	*	*	*		*	
6	*	*	*	*	*	*	
7	*	*	*	*		*	

General
- international freight
- toll and border check
- food, phytopathological and veterinary inspection
- cargo storage
- garbage and waste reception
- toilet
- towing
- icebreaking service

Paldiski Põhjasadam (2025)



Paldiski Põhjasadam (2014)

aerial panorama - www.estonia360.ee/paldiski_pohjasadam_2/ (2012, winter)

Lillby approach

Restrictions

local knowledge required

Prohibitions

entrance on the permission of the harbour owner

Lillby boat pier 59°19.32'N 24°00.56'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	01.05 - 15.10
1	6.0	~1				floating	

Paldiski Lõunasadam approach (depths BSCD2000[EH2000])

Navigational aids

Paldiski Lõunasadam harbour ldg.l. 075.2° - 255.2°

Paldiski Lõunasadam harbour ldg.l. front light beacon (391/3775)

Paldiski Lõunasadam harbour ldg.l. rear light beacon (392/3775·2)

Paldiski Lõunasadam harbour clearing line 000.0° - 180.0°

Paldiski Lõunasadam harbour clearing line front light beacon (390/3775·35)

Paldiski Lõunasadam harbour clearing line rear daymark (390·1)

Paldiski Lõunasadam harbour oilpier light beacon (393/3775·3)

lateral marks

Channel

length 960.0 m

width 180.0 m

depth 15.5 m

lateral marks

(PR) **Paldiski Lõunasadam** 59°19.88'N 24°04.76'E (www.ts.ee/en/paldiski-south-harbour/)

Communication channels

VHF 09 — Paldiski Lõunasadam

Anchorage

"D" 59°22.13'N 23°54.75'E

"A" 59°19.99'N 24°02.26'E

Pilot service

pilotage is compulsory

boarding place Paldiski harbours 59°23.0'N 24°00.0'E

Restrictions

upon several vessels entering or leaving simultaneously the harbour master's office will determine the order of movement

regular liners shall have the priority right to enter or leave the port except upon delay or emergency situations

no service is provided for small craft

Entering and leaving prohibitions

W winds speed over 15 m/s at quays No 7, 8 and 9

wind speed over 12 m/s for tankers over 220 m in lenght at quay No 7

Maneuver

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

pilotage is compulsory for remooring a vessel, except upon hauling a vessel

Mooring (depths BSCD2000[EH2000])

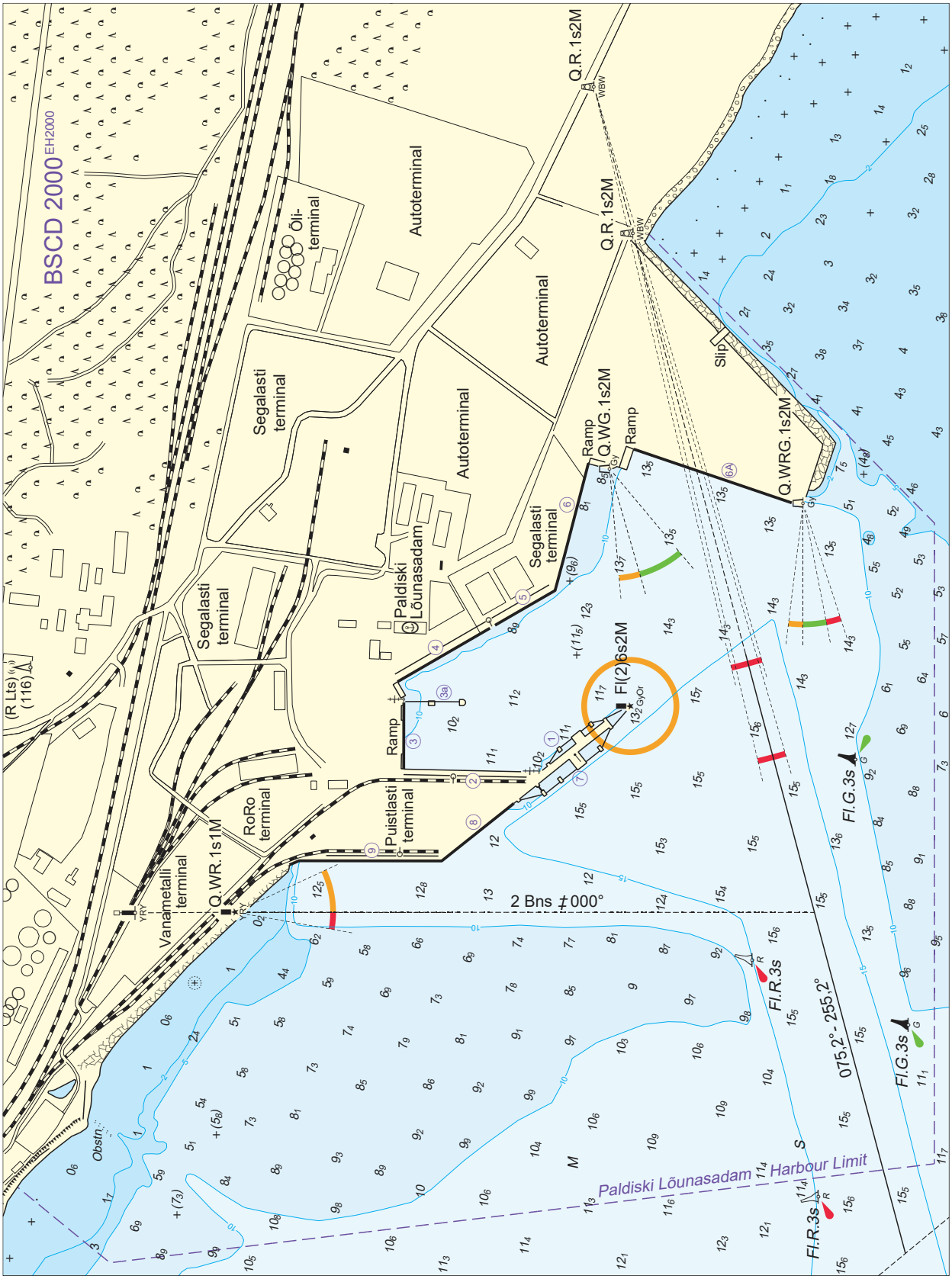
Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			250.0	45.0	14.5	commercial shipping	01.01 - 31.12
1	193.0	11.5				liquid cargo	
2 (ramp)	230.0	11.2				ro-ro, mixed and bulk cargo	
3	123.0	8.8				support	
3A (ramp)	107.0	8.8				ro-ro	
4 (ramp)	163.0	8.3				ro-ro, container	
5	152.0	8.3				mixed and bulk cargo	
6 (ramp)	225.5	8.5				ro-ro, mixed and bulk cargo	
6A (ramp)	310.0	13.5				ro-ro, mixed and bulk cargo	
7	249.0	15.5				liquid cargo	
8	160.0	12.5				mixed and bulk cargo	
9	247.5	12.8				mixed and bulk cargo	

Facilities

Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1	*	*	*			*	
2	*	*	*		*	*	
3	*	*	*			*	
3A	*	*	*			*	
4	*	*	*			*	
5	*	*	*			*	
6	*	*	*			*	
6A	*	*	*			*	
7	*	*	*			*	
8	*	*	*			*	
9	*	*	*		*	*	

General
- international freight
- toll and border check
- food, phytopathological and veterinary inspection on request
- cargo storage
- garbage and waste reception
- towing
- icebreaking service

N ←



Paldiski Lõunasadam (2026)

Paldiski Lõunasadam (2024)

aerial panorama - www.estonia360.ee/paldiski_lounasadam_suvi/ (2013)
www.estonia360.ee/paldiski_lounasadam/ (2012, winter)

Kurkse sadam approach (depths BSCD2000[EH2000])

Channel
- length 120.0 m
- width 25.0 m
- depth 1.3 m
  - Restrictions
    - local knowledge required
  - Prohibitions
    - traffic over Beaufort seastate 4 is prohibited

(PR) **Kurkse sadam** 59°17.37'N 24°01.33'E

Restrictions
- Maneuver
  - only one vessel at a time
- Entering and leaving prohibitions
  - wind speed over 14 m/s
  - visibility under 200 m
  - sea swell exceeding 4 degrees

Mooring (depths BSCD2000[EH2000])

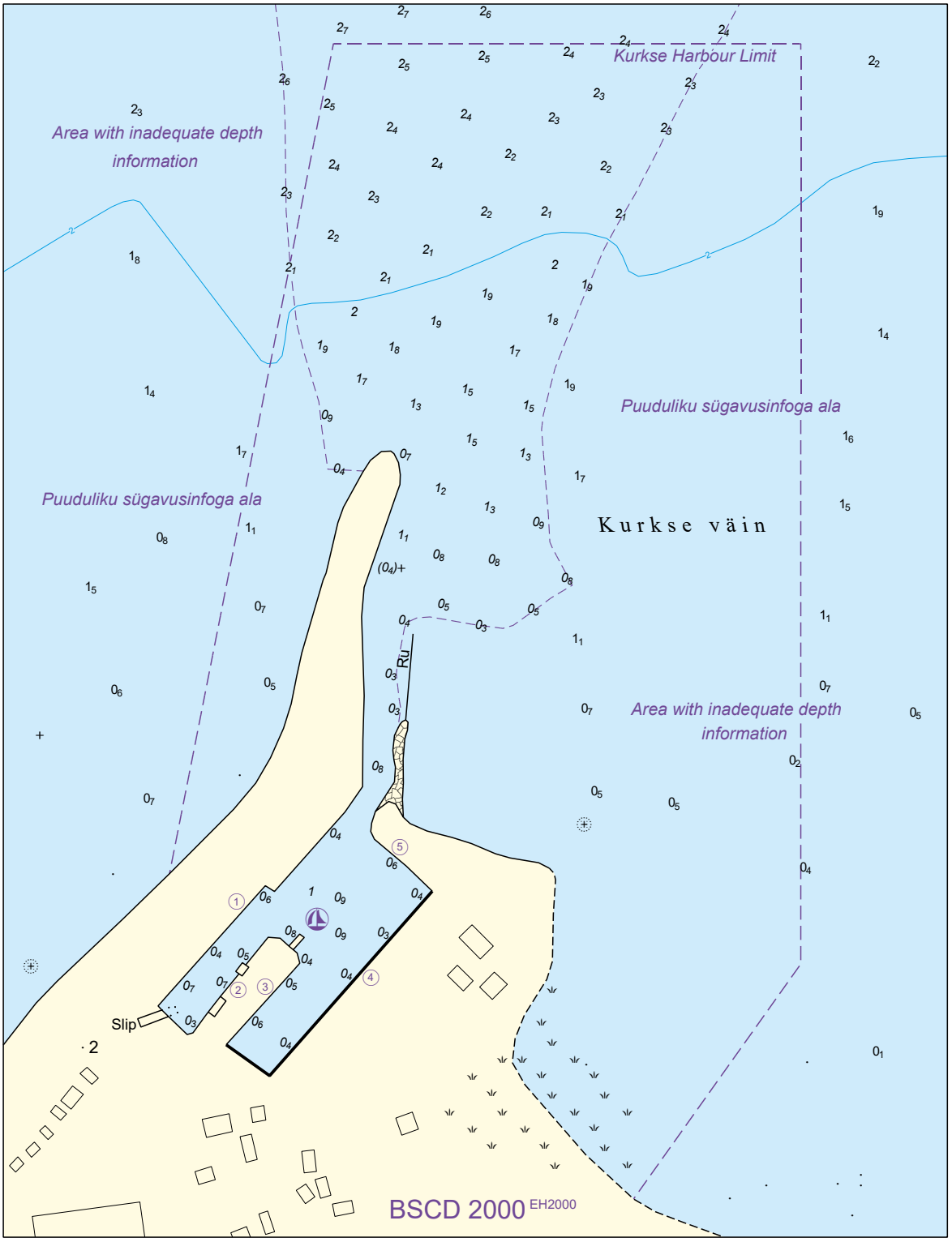
Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			10.0	2.5	1.2	local harbour	01.04 - 30.11
1	82.3	0.4				small craft	
2	33.0	0.7				small craft	
3	33.0	0.9				small craft	
4	79.0	1.0				small craft	
5	25.0	1.2				small craft	
slip							

Facilities

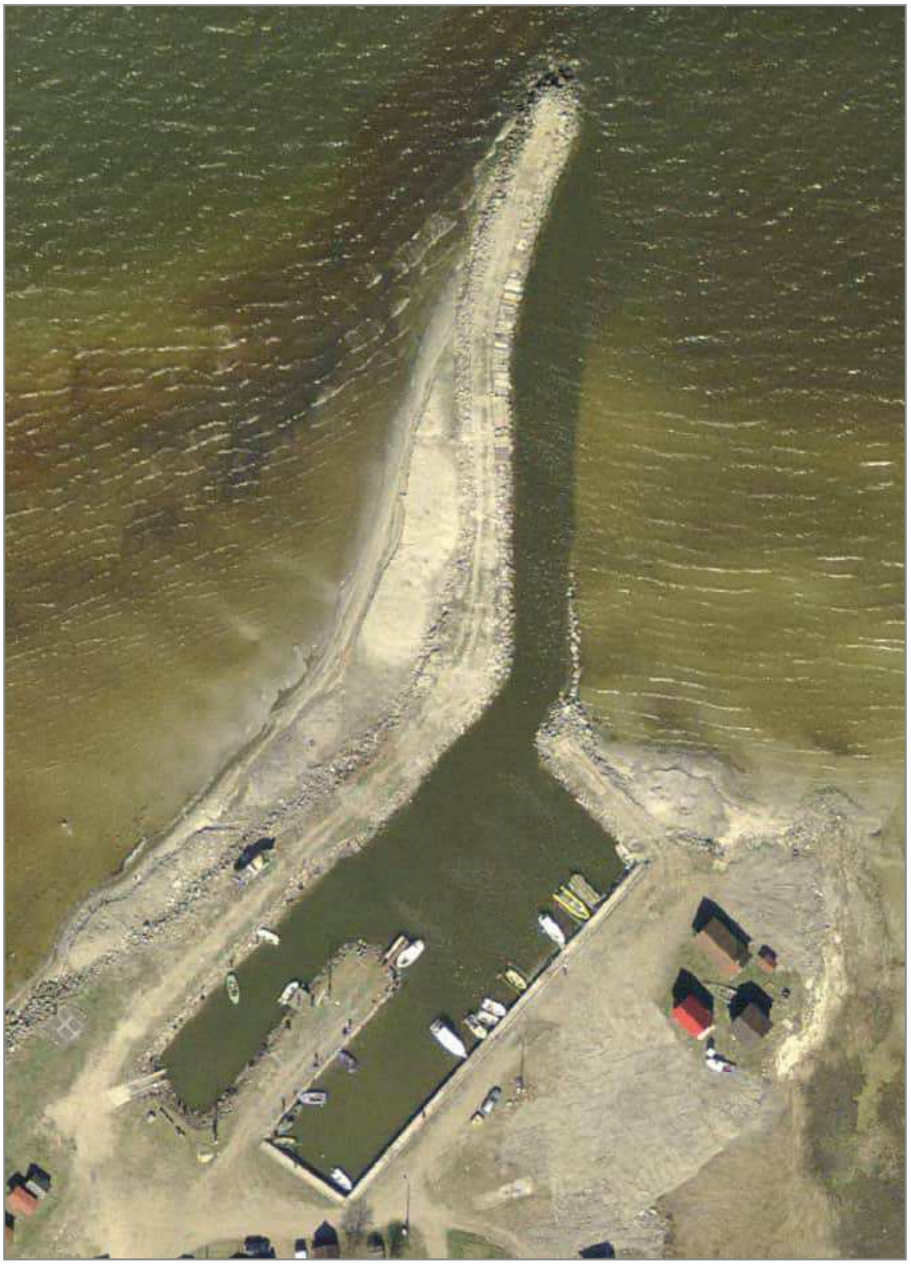
Quay No	Fuel	Fresh water	Pilge water	Sewage water	Pier crane	Electricity	Internet
1			*			*	
2			*			*	
3			*			*	
4							
5							

General
- garbage reception
- toilet

Kurkse sadam (2020)



Kurkse sadam (2012)



aerial panorama - www.estonia360.ee/kurkse_sadam/ (2012, winter)

Siimas boat harbour 59°19.64'N 23°57.93'E (private)

Approach
Restrictions
local knowledge required
Prohibitions
entrance on the permission of the harbour owner

(PR) **Pakrineeme sadam** 59°23.49'N 24°04.51'E

Communication channels
VHF 09 ─ Paldiski Lõunasadam

Anchorage
(details when specified)

Pilot service
pilotage is compulsory
boarding place Pakineeme 59º26.0'N 24º05.0'E

Restrictions
upon several vessels entering or leaving simultaneously the harbour master's office will determine the order of movement
minimal speed, at which the ship maintains maneuverability, is implemented
no service is provided for small craft
Entering and leaving prohibitions
W - E winds speed over 10 m/s
Maneuver
remooring is allowed only with the permission of the harbour master's office
pilotage is compulsory for remooring a vessel, except upon hauling a vessel with a length of up to 180 m within the distance of 100 m

Mooring (depths BSCD2000[EH2000])

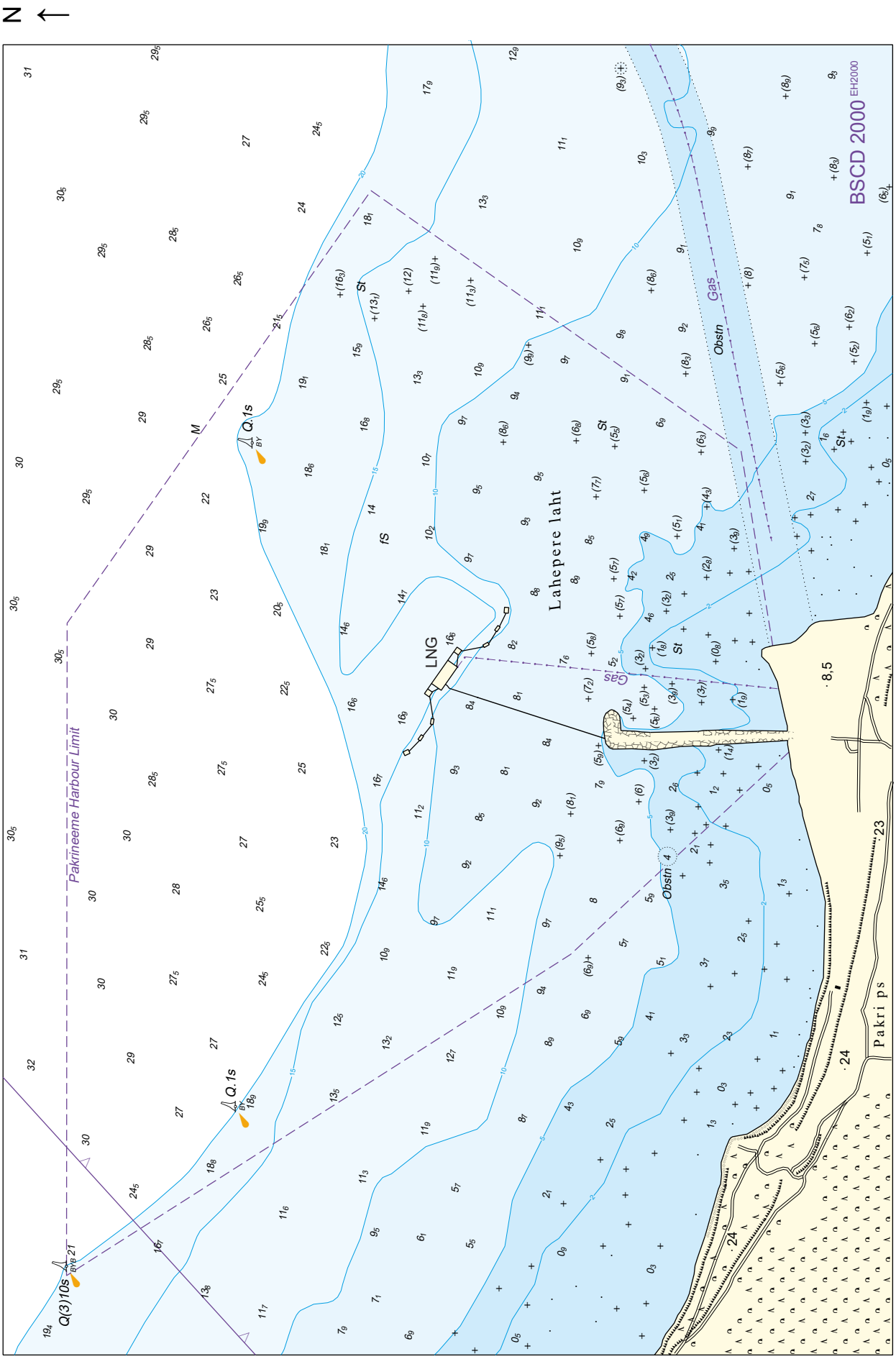
Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
			295.0	50.0	13.0	commercial shipping	01.01 - 31.12
1	382.0	16.5				liquid cargo (LNG)	

Facilities

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

General
international freight
toll and border check on request

Pakrineeme sadam (2023)



Pakrineeme sadam (2023)

Lohusalu sadam approach

Navigational aids

Lohusalu ldg.l. 233.3° - 053.3°

Lohusalu ldg.l. front light beacon (376/3783)

Lohusalu ldg.l. rear light beacon (377/3783·1)

Channel

width 60.0 m

depth 3.5 m

(PR) Lohusalu sadam 59°24.32'N 24°12.38'E (https://lohusalu.ee/en/)

Communication channels

VHF 10 — Marina of Lohusalu

Restrictions

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

speed limit 3 knots

Entering and leaving prohibitions

wind speed over 12 m/s

wave height over 1 m

Mooring

remooring 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)		
			20.0	5.0	2.0	small craft facilities	01.05 - 30.11
1	150.0	1.8				small craft	
2	12.0	1.3				service	
3	55.0	2.3				small craft	
4	40.0	1.8				small craft	
5	40.0	0.2				boats	
6	18.0	0.6				floating	
7	24.0	1.1				floating	
slip							

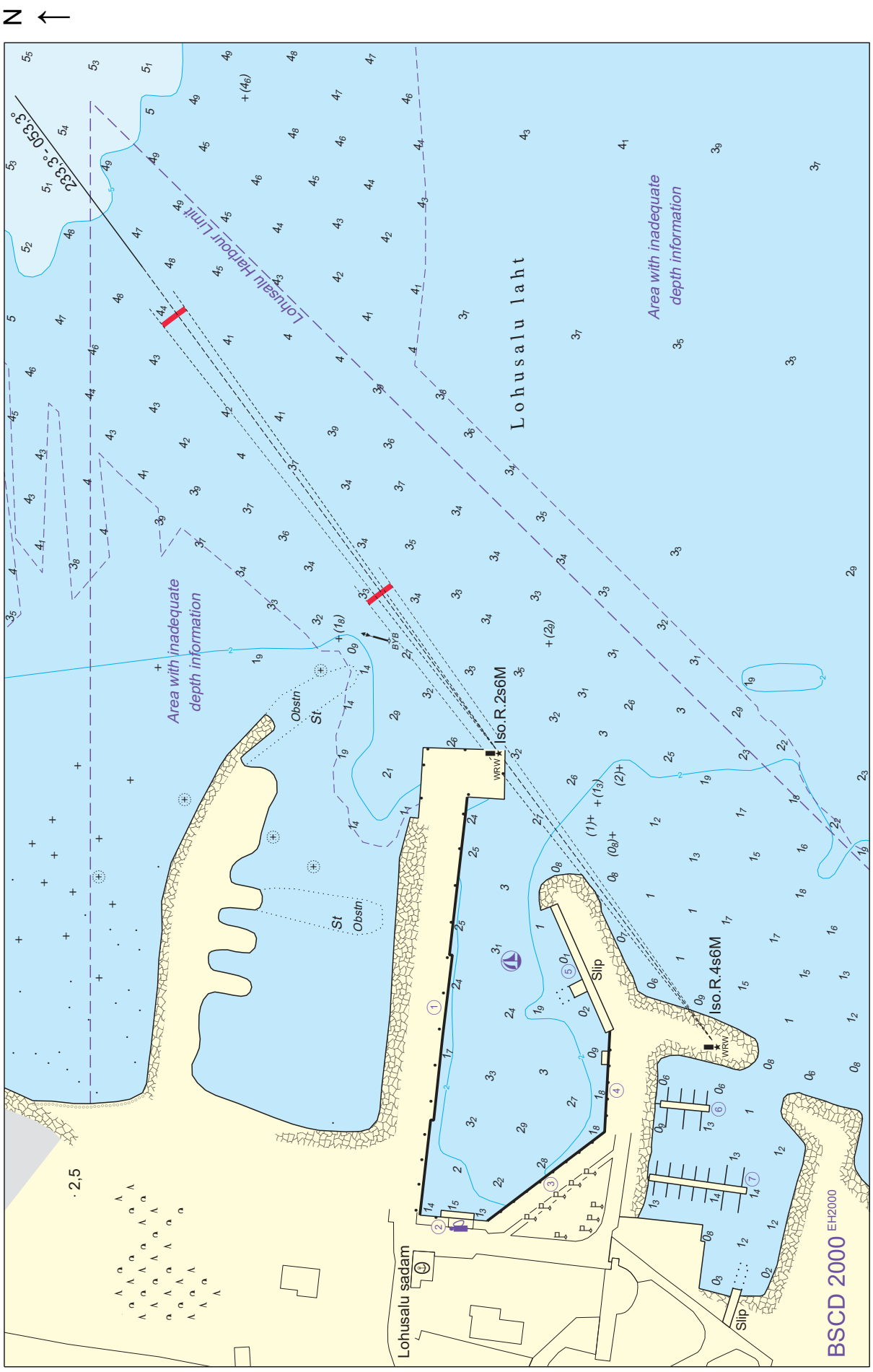
Facilities

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

sauna, shower, toilet, laundry



Lohusalu sadam (2024)

Lohusalu sadam (2022)

Keila-Joa river harbour approach

Restrictions

local knowledge required

Prohibitions

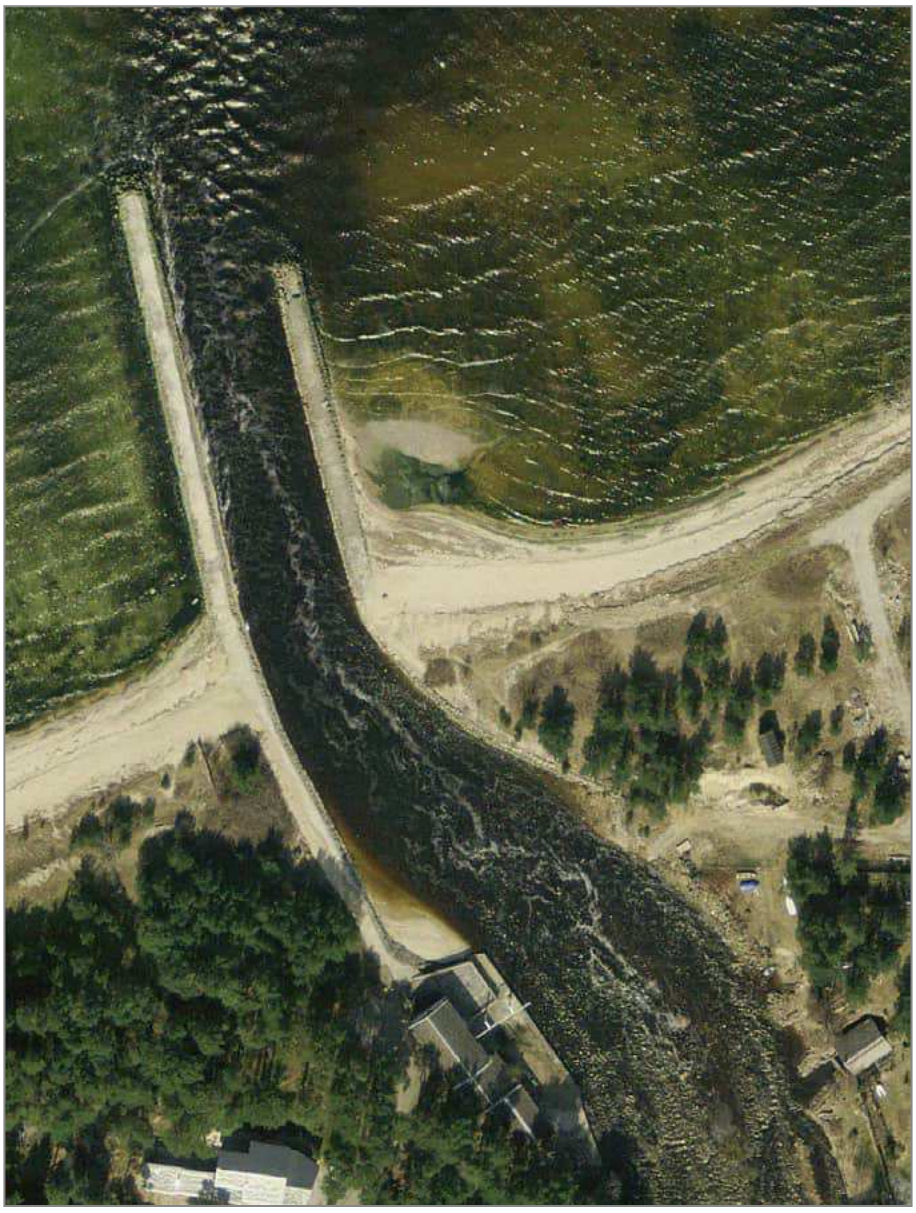
entrance on the permission of the harbour owner

Keila-Joa river harbour 59°24.22'N 24°16.77'E

Mooring

Harbour/ quay No	Quay length (m)	Depth (m)	Vessel maximum size			Harbour/ quay function	Navigation period
			Length (m)	Width (m)	Draught (m)		
						small craft facilities	
1						small craft	

Keila-Joa river harbour (2012)

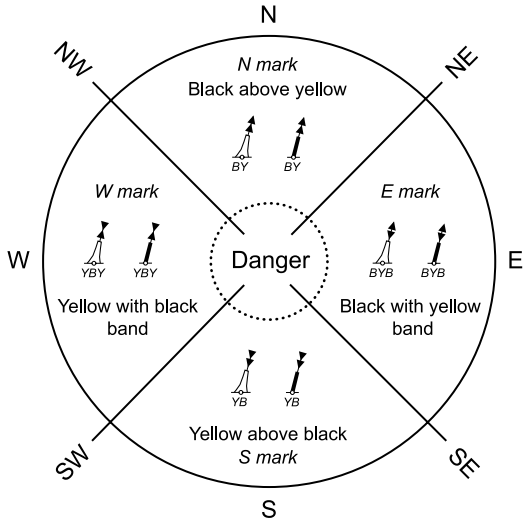


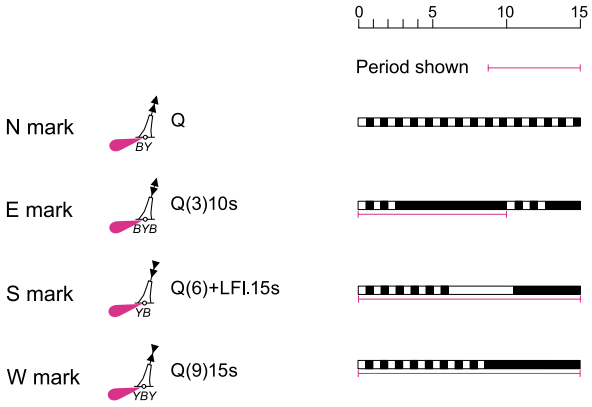
FLOATING AIDS

SYMBOLS

Cardinal marks

UNLIT MARKS	LIGHTED MARKS
Topmark (if any): 2 black cones	White light — Time (seconds)





The periods 5s, 10s and 15s, may not always be charted

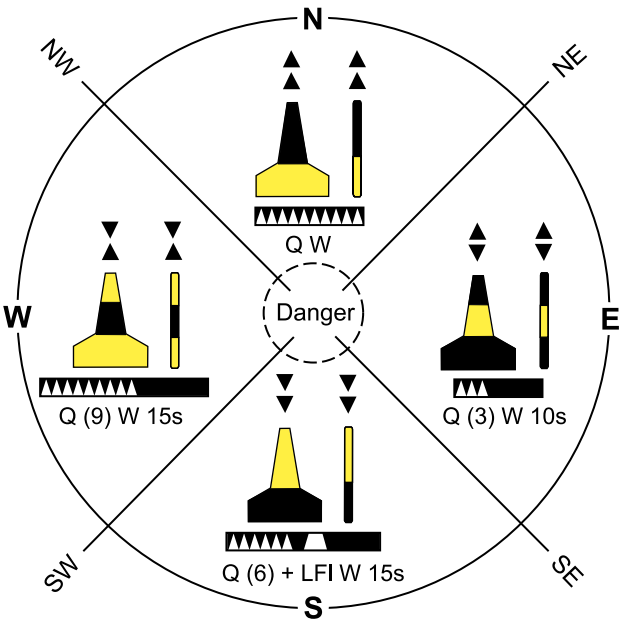
Isolated danger marks stationed over dangers with navigable water around them			
Body: black with red horizontal band Topmark (if any): 2 black spheres		Fl(2)	white light

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

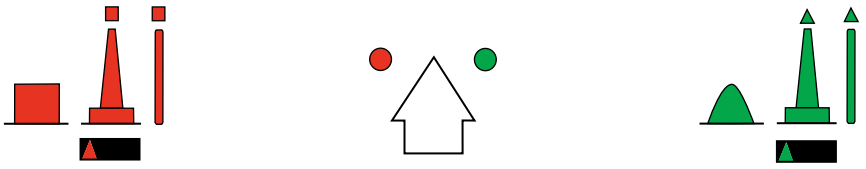
Special marks not primarily to assist navigation but to indicate special features			
Body: yellow Topmark (if any): yellow x		Fl.Y	yellow light

COLOUR SCHEME

CARDINAL MARKS

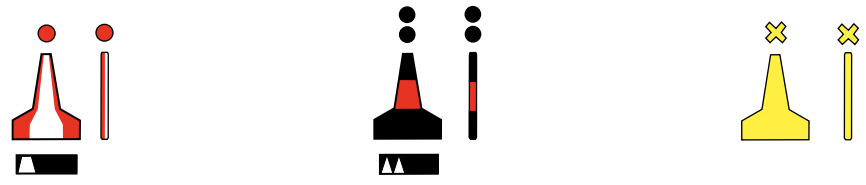


LATERAL MARKS



Port-hand marks | Starboard-hand marks

SAFE WATER MARKS | ISOLATED DANGER MARKS | SPECIAL PURPOSE MARKS



Note: retro-reflecting material is mostly fitted to unlit marks, charts do not usually show it

ESTONIAN MARITIME COMMUNICATION

Tallinn Radio

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002761000

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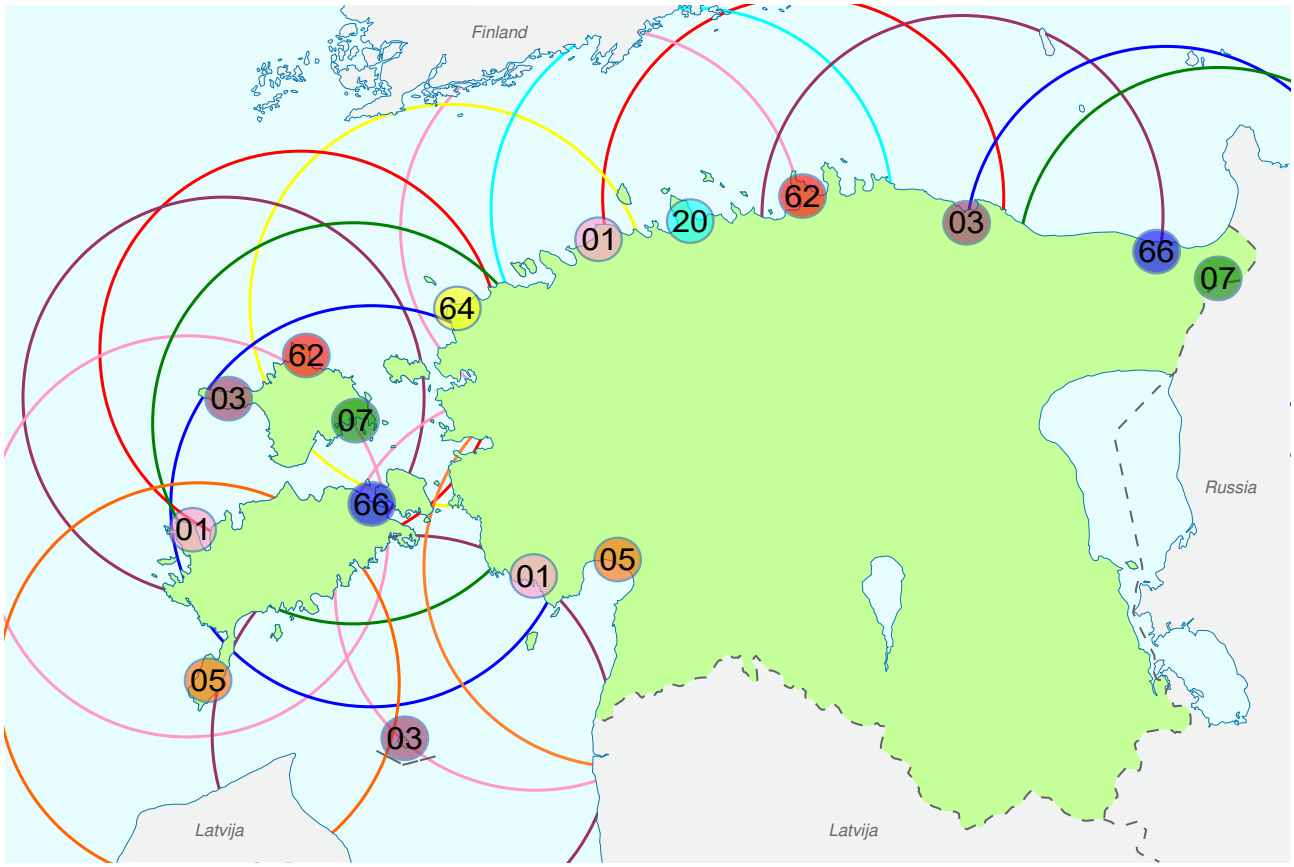
e-mail
tallinnradio@riks.ee

scheme of the base stations



◯ - Tallinn Radio base stations and VHF duplex working channels