

#### CHANNEL DATA

Alignment and buoyage: The fairway starts NW of Merikallat. Depending of the situation and conditions also following approach alternatives can be used:

1. S, crossing nav.lines of Raahe–Oulu–Kemi coastal fairway.
2. N, from Kemi Ajos fairway, I of Kemi 1 lighthouse, R-O-K fairway lines.
3. N, from Kemi Ajos fairway, N of Kemi 2 ramark to Oulu- Kemi fairway.

The fairway is narrow and meandering between the pilot boarding position at Oulun portti and the port of Oulu of Vihreäsaari and Oritkari. From Kattilankalla to the port of Oulu, fairway has safe clearance depth -14.3 m (Oulu fairway).

Length a. 64 km/ 29 nautical miles. 10 navigation lines, of which the outermost two marked by sector lights, the rest by boards. Lateral marking. Lit.

Dimensions: Design vessel: L= 210 m, B= 30, T= 10.0 m. Design draft 10.0 m. Safe clearance depth: -11.8 m in the approach, -14.3 m and -13.7 m in the entrance. Minimum width 116 m, turning radius 1050 m.

Note. Depth information reference level is N2000 (Baltic Sea Chart Datum 2000 / BSCD2000).

<https://www.traficom.fi/en/transport/maritime/n2000-fairway-and-nautical-chart-reform-improved>

Areas with meeting and overtaking prohibitions: The channel has one permanent area of meeting and overtaking prohibitions, look closer to Bothnia VTS Masters´ Guide

<https://tmfg.fi/en/vts/masters-guide>

Speed limits and recommendations: Between Löyhänmutka – Kotakari a speed limit 22 km/h.

Anchorage areas etc.: Anchorage close to Kyrönkari, N of the fairway, about 3 km before Vihreäsaari harbour (depth sc=-14.3 m, mud seabed) and west of Kotakari, is a wider area on right.

#### NAVIGABILITY

Navigational conditions: The approach between Oulun portti and Kattilankalla consists of open sea; SW to NW winds create heavy seas. Sea state is reduced by shallows from Oulu 3 onwards. Between Kattilankalla and port the fairway is sheltered by some small islands and skerries. Between Oulu 5 and Hammasmatala there is a 1.4 km long and 170 m wide channel. The final, approximately 2.5 km long part, between Kyrönkari anchoring area and port, is a dredged, 116 m wide channel

Ice conditions: In early winter there is drifting ice along the entire fairway; outside Oulu 3 the ice is usually also ridged. May cause buoys and spar buoys to be pressed under ice (surface) all the way to Kattilankalla. From January to April there is 50–80 cm thick fast ice between port and Oulu 3. Warm water effluents alleviate ice conditions in Oritkari harbour.

If ice conditions require, the alignment W of Hailuoto and S of Merikallat can be used for winter navigation.

#### RECOMMENDATIONS

Speed: Ships with a design draught of 8 m or over should make allowance for bottom suction between Liberta and Hammasmatala. Between Oulu 4 and Hammasmatala a max. speed of 9 knots is recommended; design speed 12.0 knots (Sc= -11.8 m).

Wind gauges: Marine weather observations, Hailuoto Marjaniemi, Oulu Vihreäsaari and Kemi 1 lighthouse.

Sea level: Oulu mareograph outside of Oulu , Toppila harbour.

#### TRAFFIC SERVICE

Pilotage: e-mail: [pilotdispatch.bothnia@finnpilot.fi](mailto:pilotdispatch.bothnia@finnpilot.fi) Order a pilot: [www.pilotonline.fi](http://www.pilotonline.fi)  
Tel.: +358 29 5253 440, fax +358 (0) 29 52 53012. Pilot boarding positions Oulu N: 65°11,52' N 24°20,57' E. and Oulu S: 65°07,14' N, 24°16,57' E. Pilotage distance 58 /70km. NB. Pilot boarding position to be agreed upon in winter and in adverse weather conditions.

VTS: Bothnia VTS, VHF Channel 67. Tel. +358 204 48 7356. Email: [bothnia.vts@fintraffic.fi](mailto:bothnia.vts@fintraffic.fi)

Towage: tug boat Tuura 3 x 883 kW. R-Towing Inc.

Booking +358 400 256517 or +358 400 382652, VHF 12/67

PORTQuays: Vihreäsaari harbour: oil terminal 301, length 72 m, sc= -11,3 m, bulk terminal 303, 302, length 150 m, sc= -11,3 m, and a fairway area with sc= -6,9 m.

Oritkari harbour: main quay 103, length 343 m, Ro/Ro ramp 102, sc= -9,2 m.

North Quay 101: Ro/Ro ramp length 160, sc= -10,8 m.

Chemical terminal 1: 204, length 162 m, sc= -8,0 m.

Chemical terminal 2: 203, length 70 m, sc= -10,8 m.

West Quay: berths 2: 105, length 290 m, sc= -13,6 m.

Nuottasaari Quay: berths 1,2 and 3, 202, 201, length 320 m, sc -6,8 m.

Harbour basin: Vihreäsaari harbour: diameter of turning circle 330 m. Oritkari harbour: diameter of turning circle 320 m, use of anchor permitted.

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Finnish Transport Infrastructure Agency

Raahe - Oulu - Kemi coastal fairway

Oulu fairway

Hailuoto approach - Oulu 1

Pilot Oulu N

Oulu portti

Oulu 1

Oulu - Kemi fairway

Sc = -11,8 m

Oulu 1 - Kattilankalla

Hammasmatala

Haukipudas

Oulu 2

Oulu 3

Oulu 4

Oulu 5

Sc = -11,8 m

Sc = -14,3 m

Hiuvet

Kattilankalla

Hanhikari

22 km/h

22 km/h

Kotakä

22 km/h

labour area border

Oulu fairway

Merikallat

To Raahe

Marjaniemi

Hailuoto

Kyrönkari

OULU

Sc = -14,3 m

Sc = -13,6 m

Oulunsalo

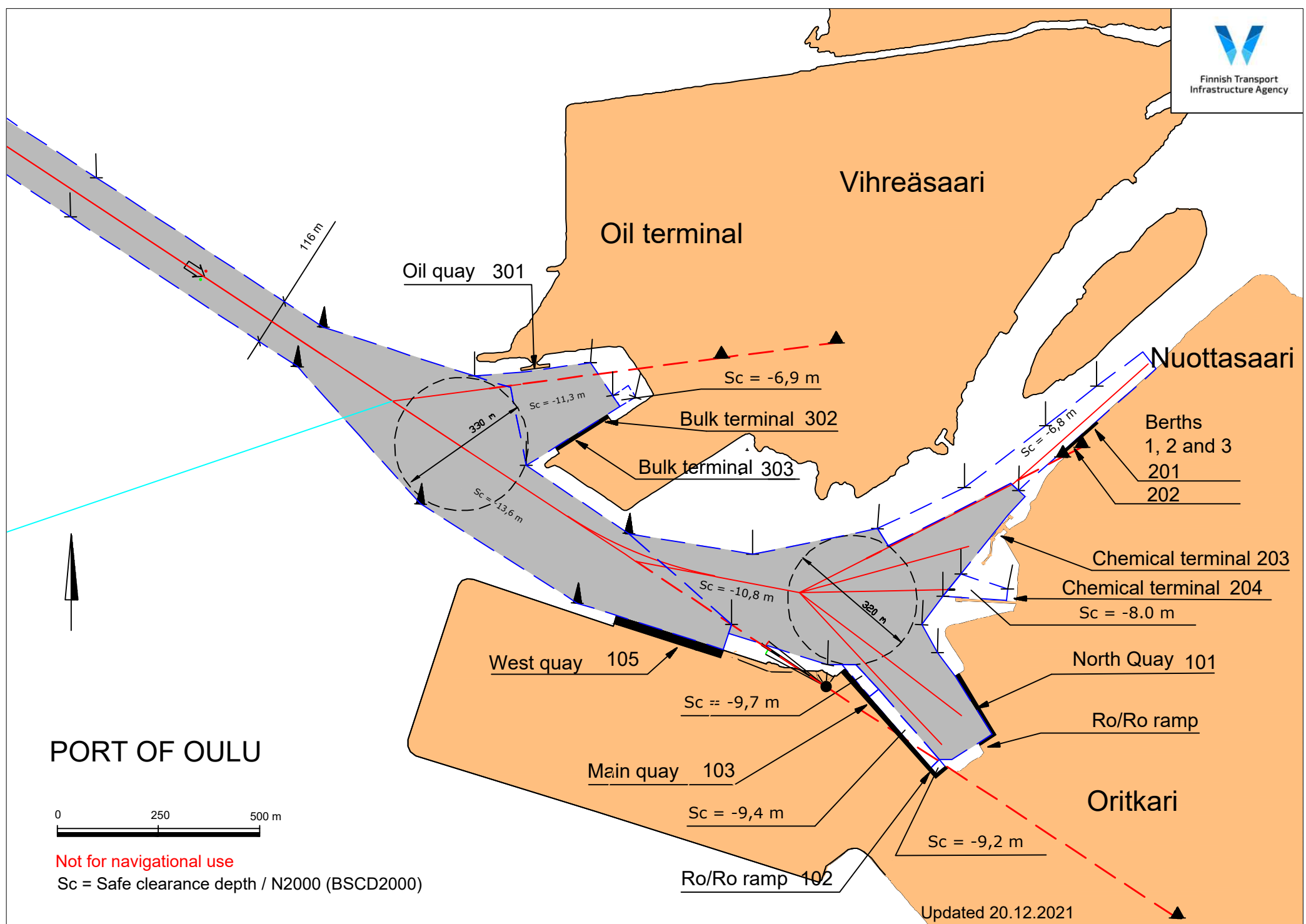
# HAILUOTO APPROACH - OULU 1

(Oulu 1 - Kattilankalla - port of Oulu)

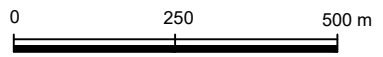
0 5 10 km

Not for navigational use  
Sc = Safe clearance depth / N2000 (BSCD2000)

Updated 20.12.2021



# PORT OF OULU



Not for navigational use  
Sc = Safe clearance depth / N2000 (BSCD2000)

Updated 20.12.2021