

#### CHANNEL DATA

Alignment and buoyage: The fairway starts at open sea N of Stubben Lighthouse and continues to the oil harbour of Kanäs. Length approx. 33 km/18 nautical miles. Seven lines marked with spar boys. Cardinal marks to Jöusan W-side, Jöusna to the port lateral marking. Unlit.

Dimensions: Design ship: m/t Angeles B. (e. Tebo Olympia) 11 474 dwt, L = 141 m, B = 21 m, T = 7.0 m. Maximum authorised draught 7.0 m, safe clearance depth in the channels outer part as far as Fjärdsgrundet –8.5 m, and the inner part –8.0 m. Minimum width 324 m, turning circles 825 and 1350 m.

Anchorage and other special areas: -

#### NAVIGABILITY

Navigational conditions: The fairway is unsheltered from Stubben lighthouse to Jöusan, W-N winds create heavy seas.

Ice conditions: In early winter, ice fields are in motion in the area W of Jöusan. Ice movement may cause spar buoys to be pressed under ice (surface). In cold winters, the fast ice edge extends far out to sea.

#### OPERATIONAL RECOMMENDATIONS

Wind: Ship-specific recommendations; wind speeds exceeding 10 m/s make navigation more difficult.

Wind gauges: Marine weather observations, Pietarsaari Kallan.

Sea level: Pietarsaari Leppäluoto mareograph.

#### TRAFFIC SERVICE

Pilotage: E-mail [pilotorder.west@finnpilot.fi](mailto:pilotorder.west@finnpilot.fi) . Order form [www.pilotorder.fi](http://www.pilotorder.fi) . Tel. +358 (0) 400 907 979, Fax +358 (0) 29 52 53012. Pilot boarding position Pietarsaari: 63°44,51' N , 22°28,49' E.  
NB. Pilot boarding position to be agreed upon in winter and in adverse weather conditions.

VTS: The fairway is not in VTS-sector. Bothnia VTS, Vaasa tel. +358 20 448 7356.

Tugs: Privately operated tugboats, commissioned by the ship's agent.

#### PORT

Quays: Oil terminal, safe clearance depth -8,0 m.

Cargo handling: Crane 5t/m

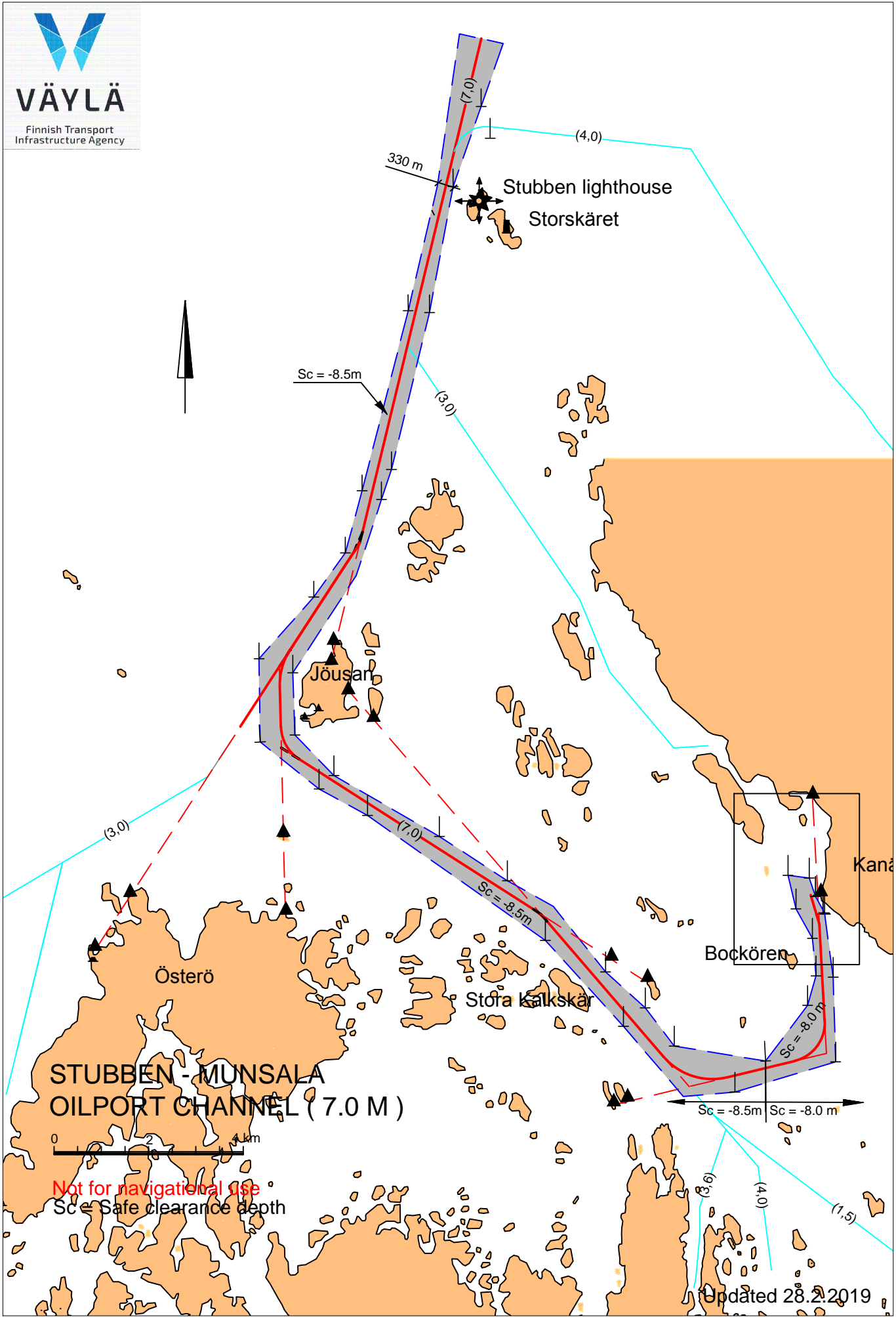
Harbour basins: Diameter 450 m

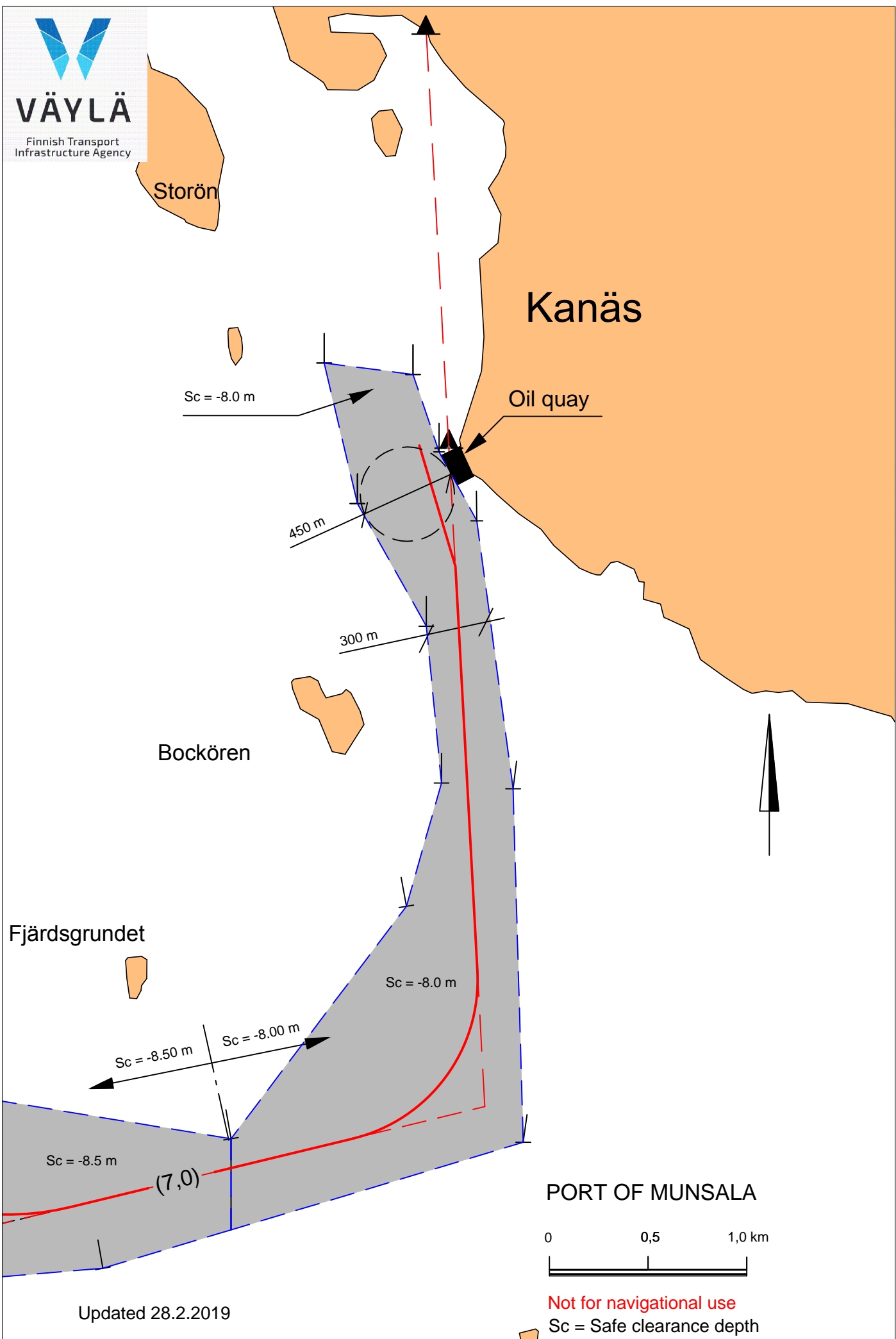
#### Contact Information:

Address:

Kanäsin öljysatama  
Öljysatamantie 120  
66970 Hirvlax

Head of Terminal Johan Österbacka  
p. 06-764 5261, 050-529 6622  
[johan.osterbacka@nykarleby.fi](mailto:johan.osterbacka@nykarleby.fi)





Storön

Kanäs

Oil quay

Sc = -8.0 m

450 m

300 m

Bockören

Fjärdsgrundet

Sc = -8.0 m

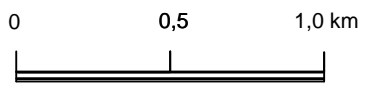
Sc = -8.50 m

Sc = -8.00 m

Sc = -8.5 m

(7,0)

PORT OF MUNSALA



Updated 28.2.2019

Not for navigational use  
Sc = Safe clearance depth