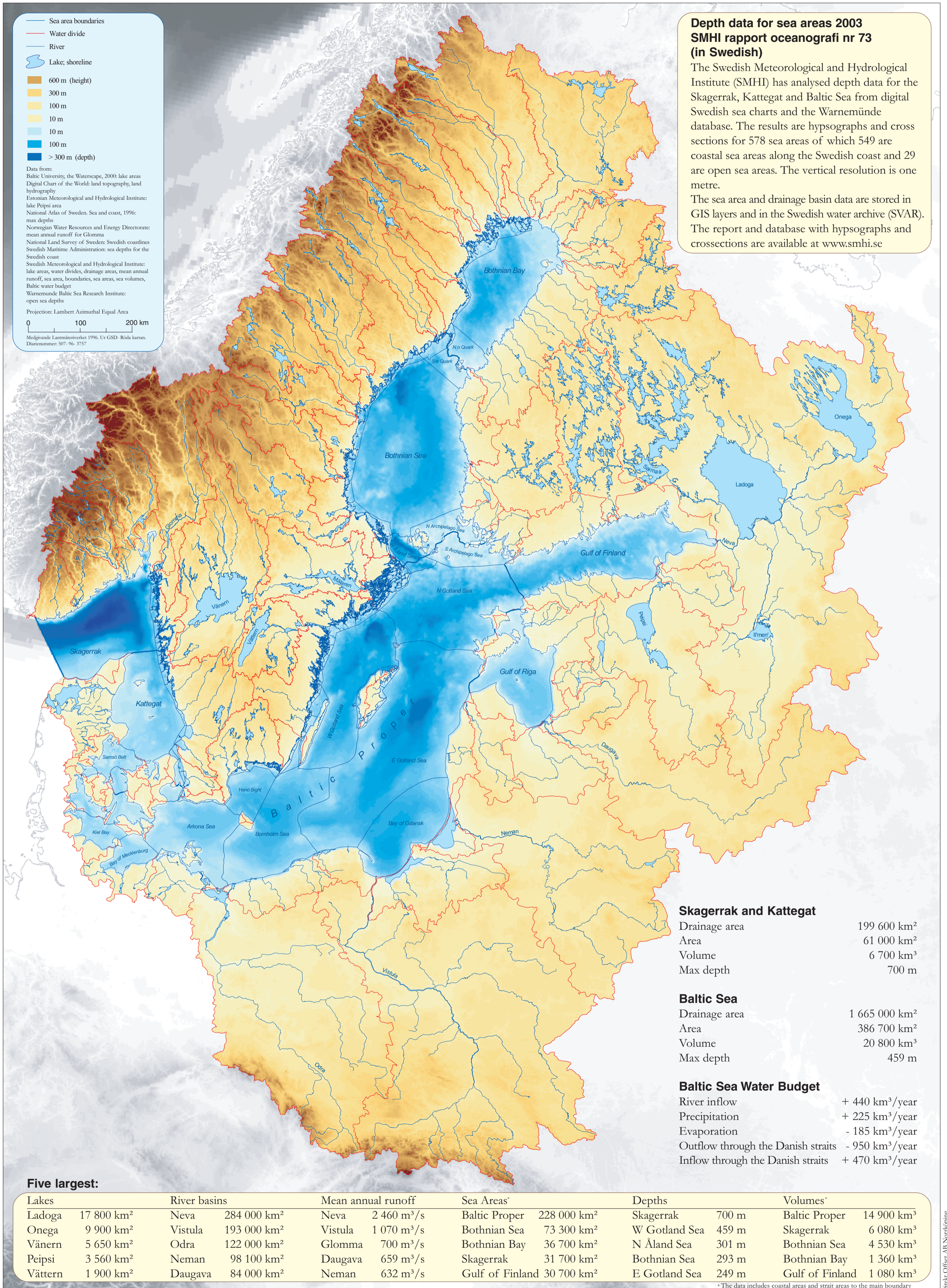


# The Baltic Sea, Kattegat and Skagerrak – sea areas and drainage basins



— Sea area boundaries  
— Water divide  
— River  
— Lake; shoreline

600 m (height)  
300 m  
100 m  
10 m  
10 m  
100 m  
> 300 m (depth)

Data from:  
Baltic University, the Waterscape, 2000: lake areas  
National Atlas of Sweden, Sea and coast, 1996: max depths  
Estonian Meteorological and Hydrological Institute: lake Peipsi area  
National Atlas of Sweden, Sea and coast, 1996: max depths  
Norwegian Water Resources and Energy Directorate: mean annual runoff for Glomma  
National Land Survey of Sweden: Swedish coastlines  
Swedish Maritime Administration: sea depths for the Swedish coast  
Swedish Meteorological and Hydrological Institute: lake areas, water divides, drainage areas, mean annual runoff, sea area, boundaries, sea areas, sea volumes, Baltic water budget  
Warnemünde Baltic Sea Research Institute: open sea depths

Projection: Lambert Azimuthal Equal Area

0 100 200 km

Mekylgöande: Lanmätarverket 1996. U: GSD- Röda karran.  
Diaternummer: 507-96-3757

**Depth data for sea areas 2003**  
**SMHI rapport oceanografi nr 73**  
**(in Swedish)**

The Swedish Meteorological and Hydrological Institute (SMHI) has analysed depth data for the Skagerrak, Kattegat and Baltic Sea from digital Swedish sea charts and the Warnemünde database. The results are hypsographs and cross sections for 578 sea areas of which 549 are coastal sea areas along the Swedish coast and 29 are open sea areas. The vertical resolution is one metre.

The sea area and drainage basin data are stored in GIS layers and in the Swedish water archive (SVAR). The report and database with hypsographs and crosssections are available at [www.smhi.se](http://www.smhi.se)

Skagerrak and Kattegat	
Drainage area	199 600 km <sup>2</sup>
Area	61 000 km <sup>2</sup>
Volume	6 700 km <sup>3</sup>
Max depth	700 m

Baltic Sea	
Drainage area	1 665 000 km <sup>2</sup>
Area	386 700 km <sup>2</sup>
Volume	20 800 km <sup>3</sup>
Max depth	459 m

Baltic Sea Water Budget	
River inflow	+ 440 km <sup>3</sup> /year
Precipitation	+ 225 km <sup>3</sup> /year
Evaporation	- 185 km <sup>3</sup> /year
Outflow through the Danish straits	- 950 km <sup>3</sup> /year
Inflow through the Danish straits	+ 470 km <sup>3</sup> /year

**Five largest:**

Lakes	River basins	Mean annual runoff	Sea Areas*	Depths	Volumes*
Ladoga 17 800 km <sup>2</sup>	Neva 284 000 km <sup>2</sup>	Neva 2 460 m <sup>3</sup> /s	Baltic Proper 228 000 km <sup>2</sup>	Skagerrak 700 m	Baltic Proper 14 900 km <sup>3</sup>
Onega 9 900 km <sup>2</sup>	Vistula 193 000 km <sup>2</sup>	Vistula 1 070 m <sup>3</sup> /s	Bothnian Sea 73 300 km <sup>2</sup>	W Gotland Sea 459 m	Skagerrak 6 080 km <sup>3</sup>
Vänern 5 650 km <sup>2</sup>	Odra 122 000 km <sup>2</sup>	Glomma 700 m <sup>3</sup> /s	Bothnian Bay 36 700 km <sup>2</sup>	N Åland Sea 301 m	Bothnian Sea 4 530 km <sup>3</sup>
Peipsi 3 560 km <sup>2</sup>	Neman 98 100 km <sup>2</sup>	Daugava 659 m <sup>3</sup> /s	Skagerrak 31 700 km <sup>2</sup>	Bothnian Sea 293 m	Bothnian Bay 1 360 km <sup>3</sup>
Vättern 1 900 km <sup>2</sup>	Daugava 84 000 km <sup>2</sup>	Neman 632 m <sup>3</sup> /s	Gulf of Finland 30 700 km <sup>2</sup>	E Gotland Sea 249 m	Gulf of Finland 1 080 km <sup>3</sup>

\*The data includes coastal areas and strait areas to the main boundary