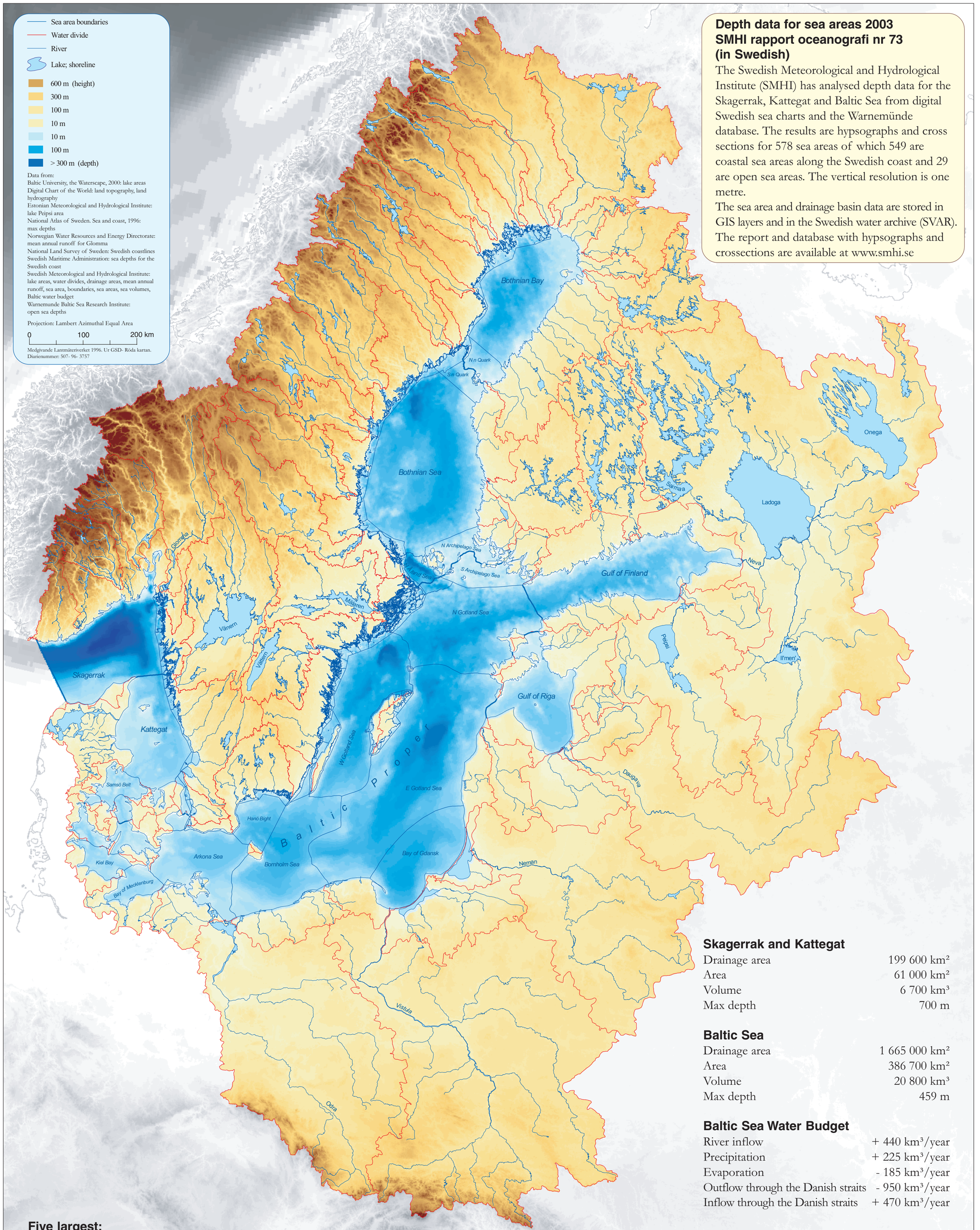
The Baltic Sea, Kattegat and Skagerrak – sea areas and drainage basins



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 crossections are available at www.smhi.se

Skagerrak and Kattegat

Drainage area	199 600 km²
Area	61 000 km²
Volume	6 700 km³
Max depth	700 m

Baltic Sea

Drainage area	1 665 000 km²
Area	386 700 km²
Volume	20 800 km³
Max depth	459 m

Baltic Sea Water Budget

River inflow	+ 440 km³/year
Precipitation	+ 225 km³/year
Evaporation	- 185 km³/year
Outflow through the Danish straits	- 950 km³/year
Inflow through the Danish straits	+ 470 km³/year

Five largest:

Lakes		River basins		Mean annual runoff		Sea Areas*		Depths		Volumes*	
Ladoga	17 800 km²	Neva	284 000 km²	Neva	2 460 m³/s	Baltic Proper	228 000 km²	Skagerrak	700 m	Baltic Proper	14 900 km³
Onega	9 900 km²	Vistula	193 000 km²	Vistula	1 070 m³/s	Bothnian Sea	73 300 km²	W Gotland Sea	459 m	Skagerrak	6 080 km³
Vänern	5 650 km²	Odra	122 000 km²	Glomma	700 m³/s	Bothnian Bay	36 700 km²	N Åland Sea	301 m	Bothnian Sea	4 530 km³
Peipsi	3 560 km²	Neman	98 100 km²	Daugava	659 m³/s	Skagerrak	31 700 km²	Bothnian Sea	293 m	Bothnian Bay	1 360 km³
Vättern	1 900 km²	Daugava	84 000 km²	Neman	632 m³/s	Gulf of Finland	30 700 km²	E Gotland Sea	249 m	Gulf of Finland	1 080 km³

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

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February 2004