

Erratum

Baltic Sea ocean climate: an analysis of 100 yr of hydrographical data with focus on the freshwater budget

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The freshwater content and mean salinity of the Baltic Sea, described in Section 4.5 in Winsor et al. (2001), has an offset. This is due to an error in the hypsographical curve used to weight the integrated freshwater content, as calculated from vertical profiles of salinity in the Baltic proper.

The authors have recomputed the freshwater content of the Baltic Sea and the corresponding change in the mean salinity of the Baltic using the correct hypsographical curve (Figs. 14 & 15 in Winsor et al. 2001). The mean freshwater content is now $1.67 \times 10^4 \text{ km}^3$, instead of the earlier estimate of $1.72 \times 10^4 \text{ km}^3$. This corresponds to an overall mean salinity of 7.7 instead of 6.0.

Fig. 14 remains essentially the same but with a changed scale on the y-axis. The corrected figure is shown here. The corrected Fig. 15 shows the new curve for the mean salinity of the Baltic Sea.

The new freshwater content and mean salinity do not affect the discussion and analysis of the paper, as perturbations of the freshwater content are analyzed, and these remain the same. The same applies to the comparison between the freshwater storage of the Baltic Sea using sub-basins and the hydrographical BY15 station only.

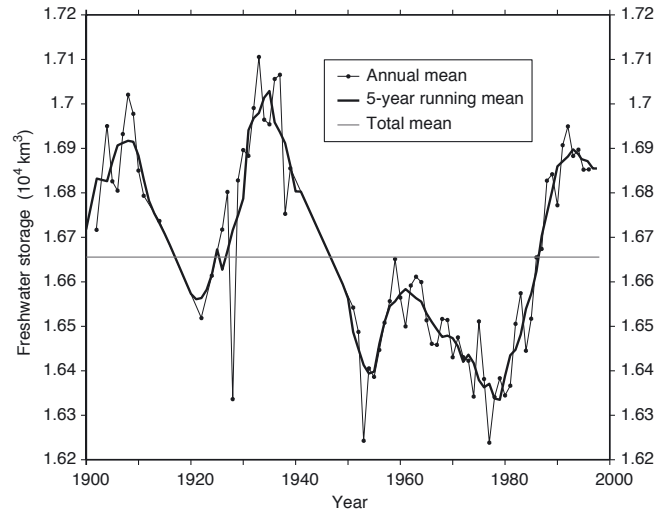


Fig. 14 (corrected). Annual mean freshwater storage in the Baltic Sea. For details see Winsor et al. (2001)

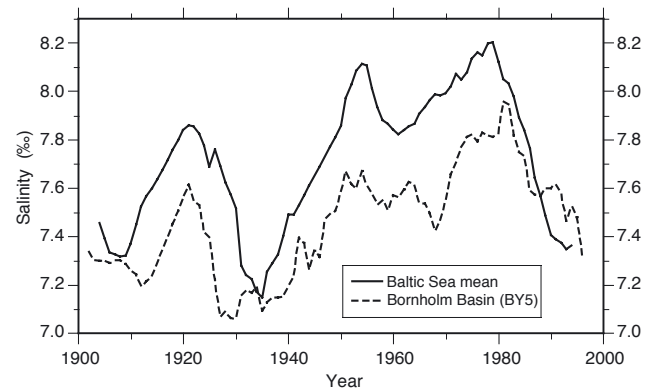


Fig. 15 (corrected). Surface salinity in the Bornholm Basin (BY5) and mean salinity of the Baltic Sea, calculated from freshwater content. Both series 5 yr running means. For details see Winsor et al. (2001)