

Strömmingens potentiella betydelse för fisk- och fågelproduktion längs kusten

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Our view on the life history of Baltic Sea herring (various sources)



Adult herring feed in off-shore areas

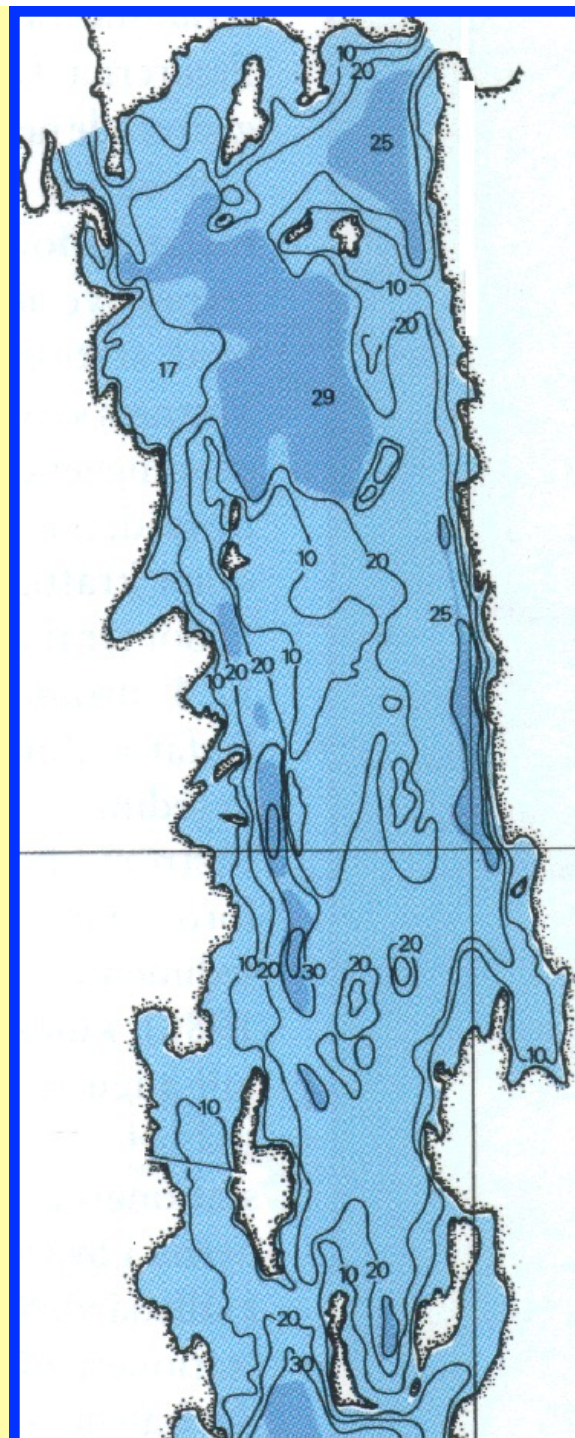
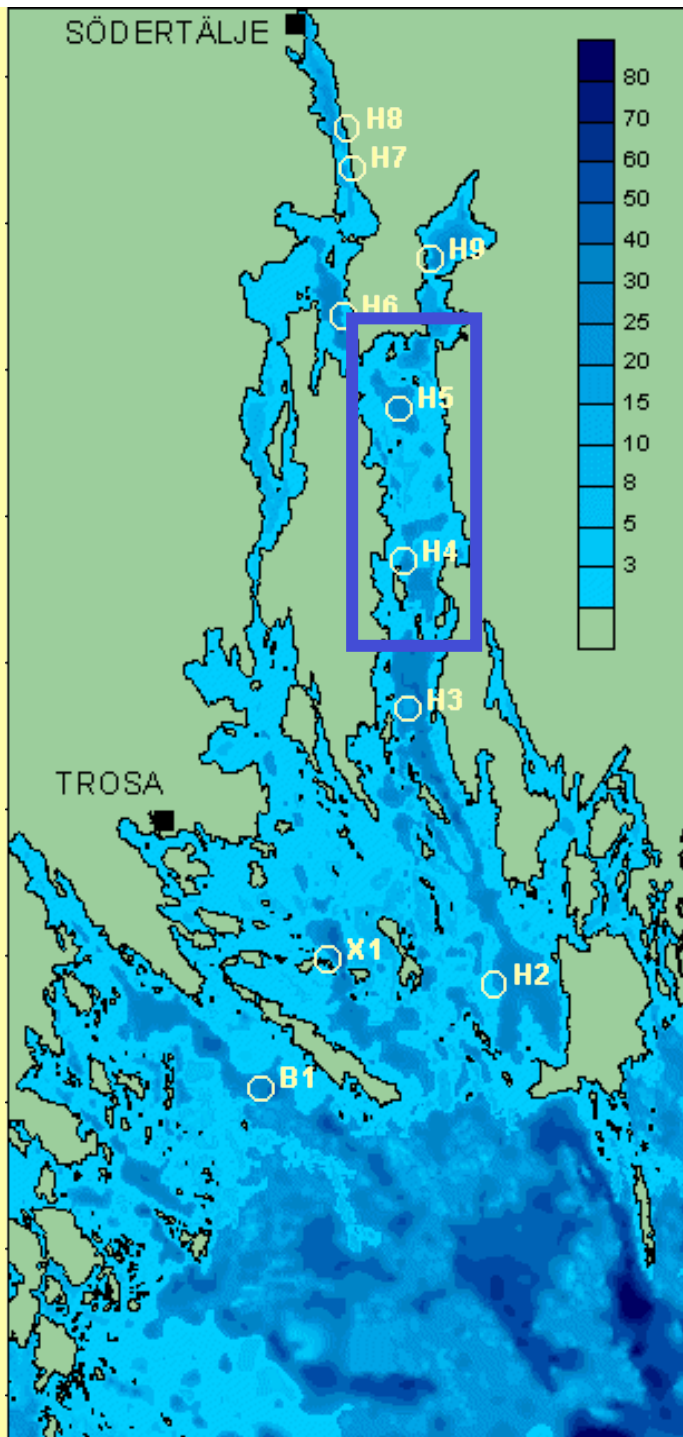
Spring: Adults migrate to coastal areas for spawning

Adults leave coastal areas after spawning

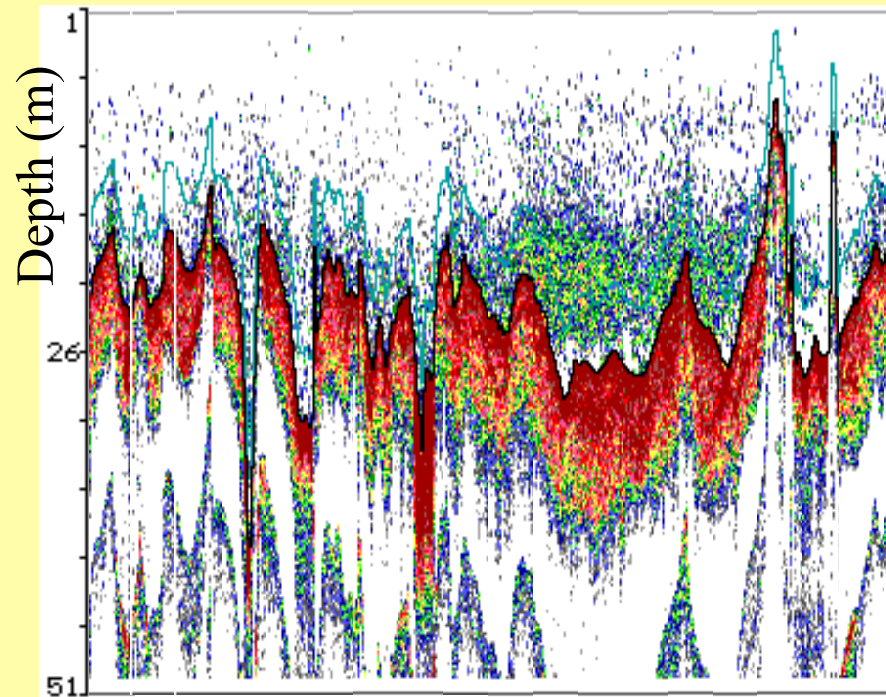
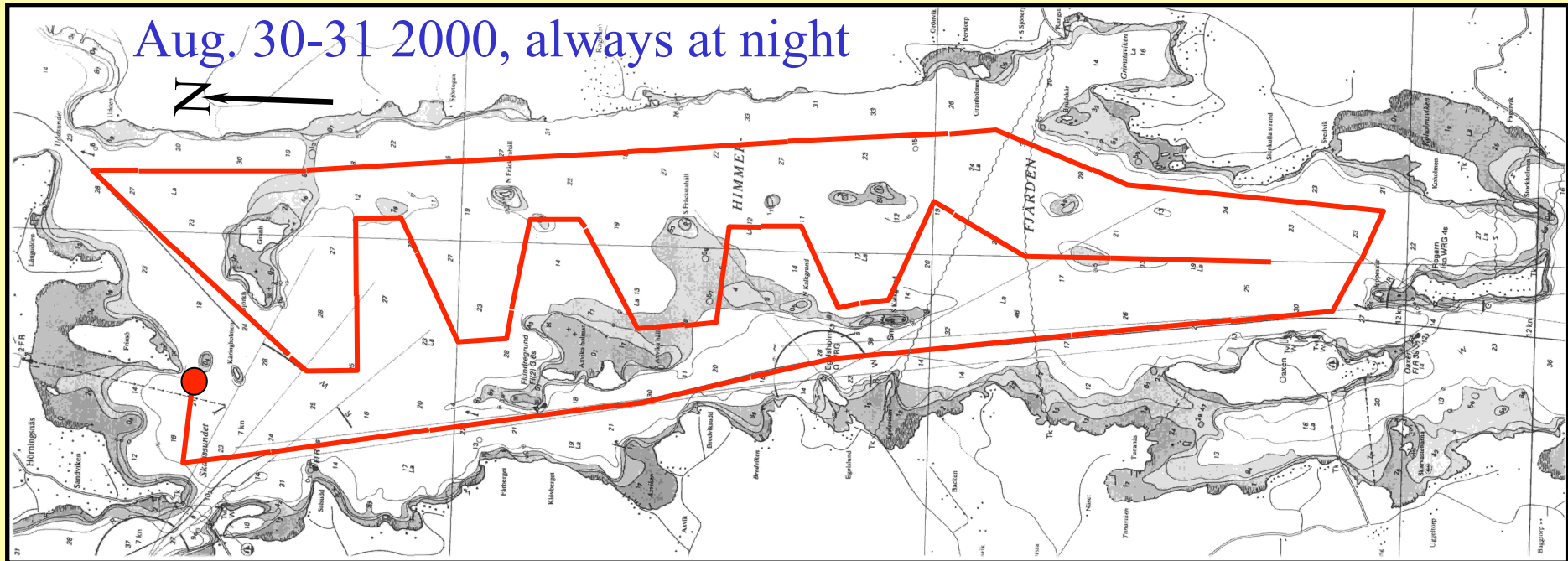
Summer: Young-of-the-year fish feed and grow in coastal areas

Fall: Young-of-the-year fish migrate to off-shore feeding areas

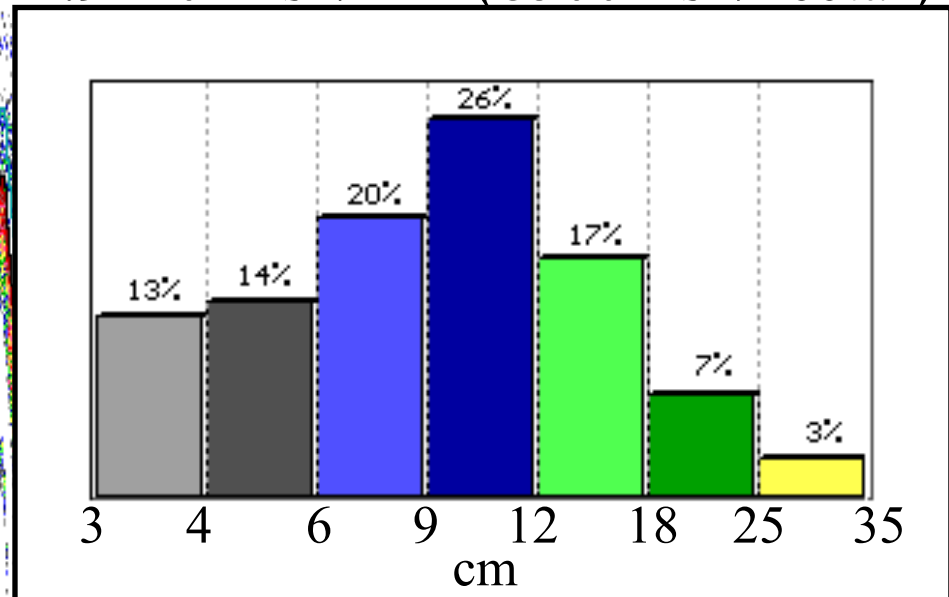
Can this view be supported by actual data?



Aug. 30-31 2000, always at night



2.9×10^6 fish/nm² (8500 fish/hectar)



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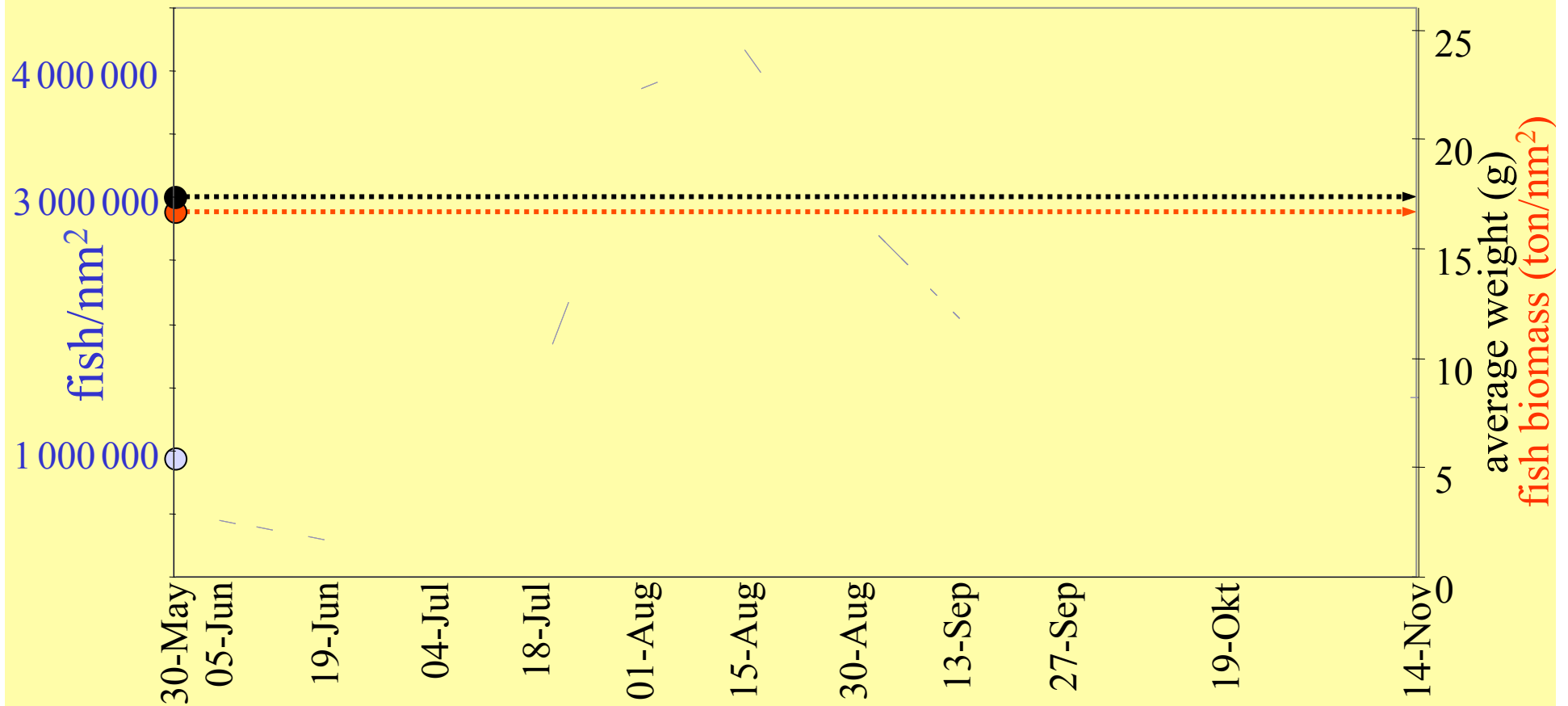
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**Can this view
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by actual
observations?**



Adult herring feed in off-shore areas

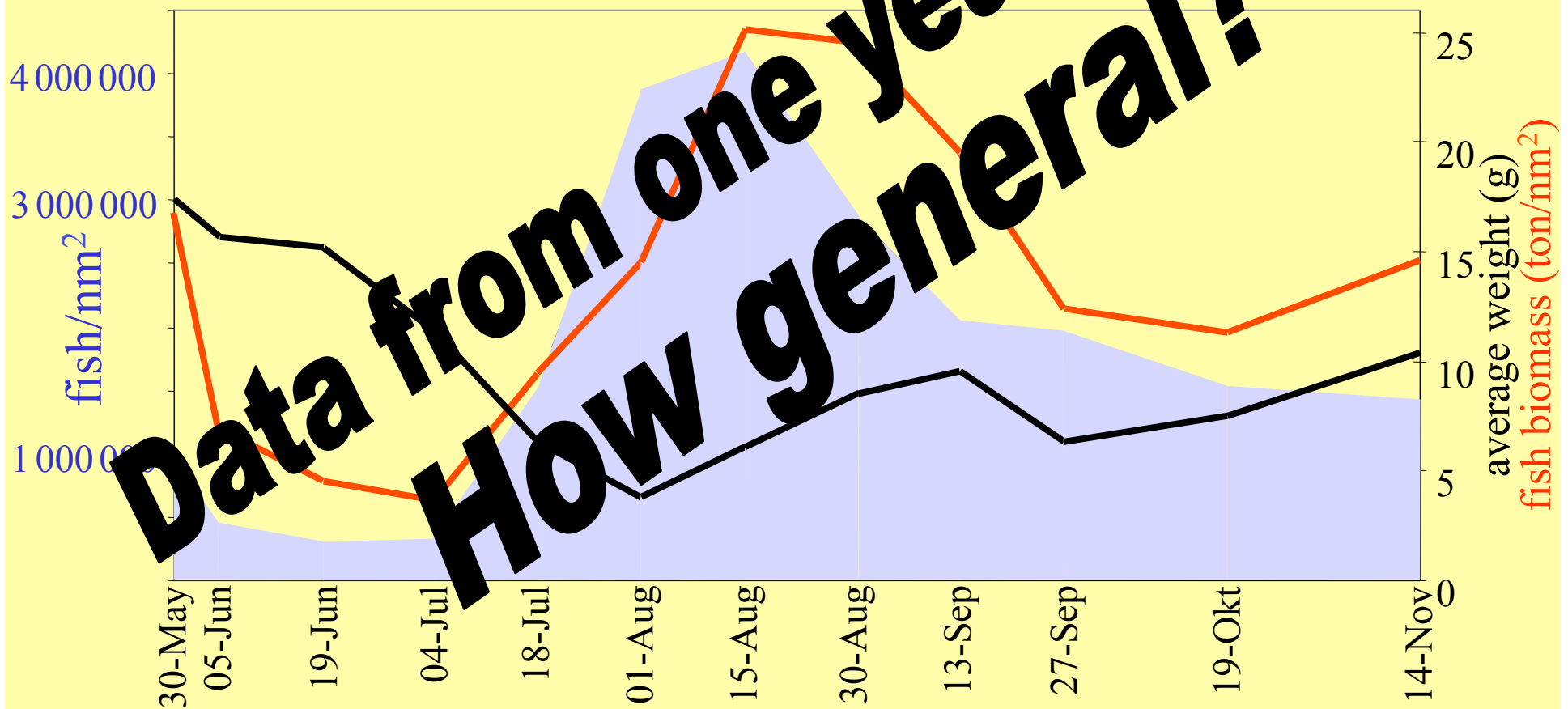
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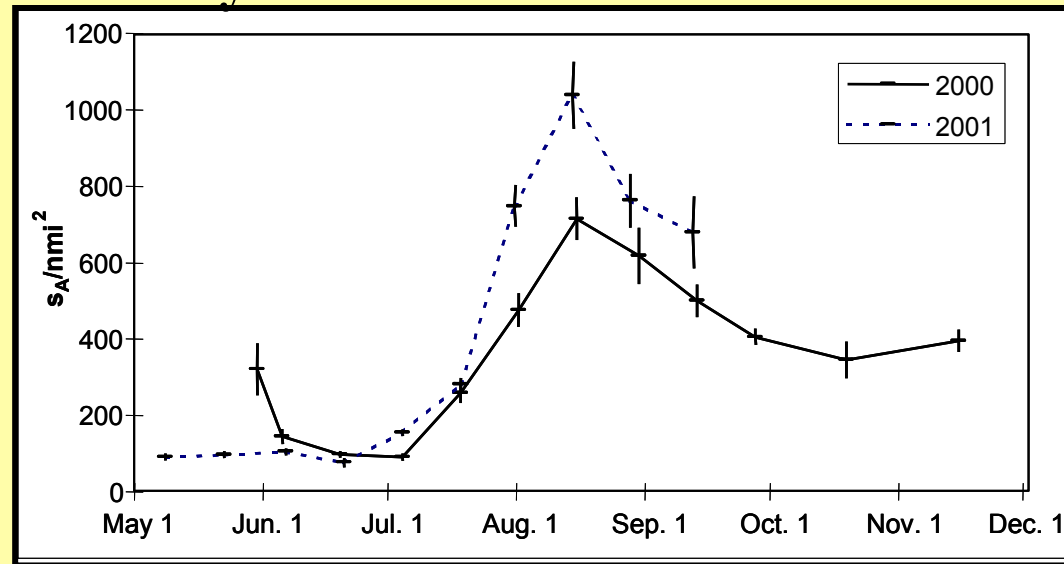
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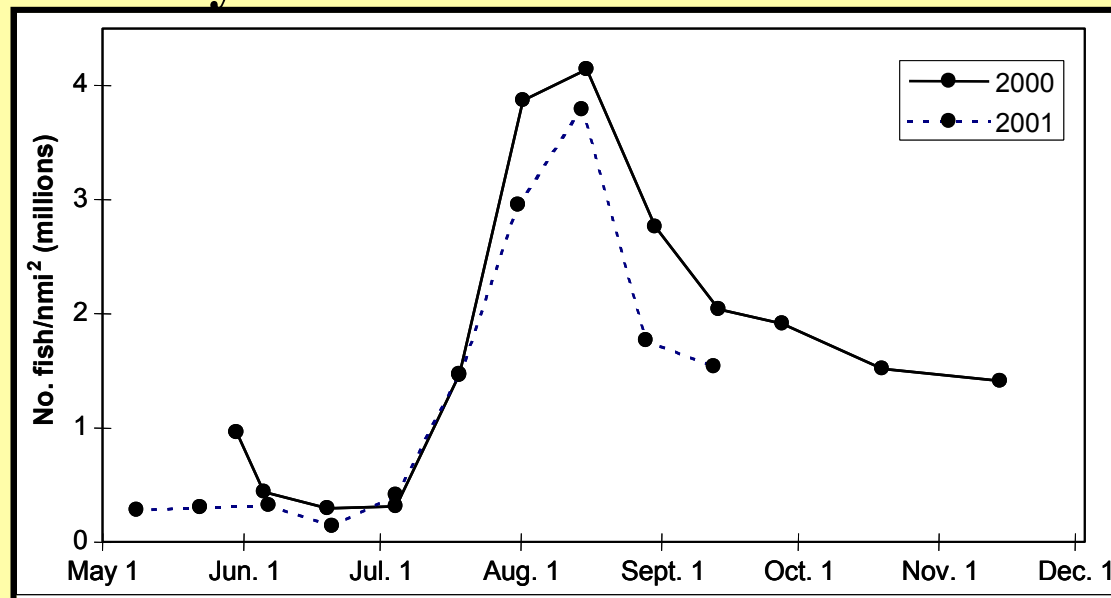
**Our view on
herring is
supported
by actual
observations!**



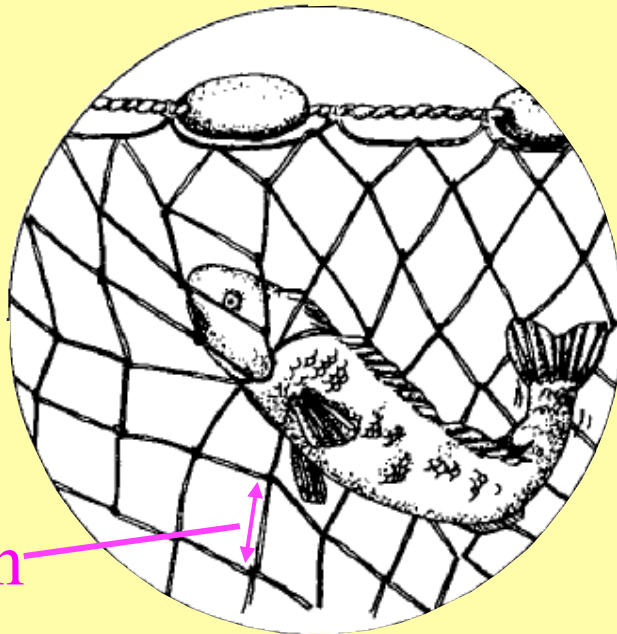
Hydroacoustic fish biomass



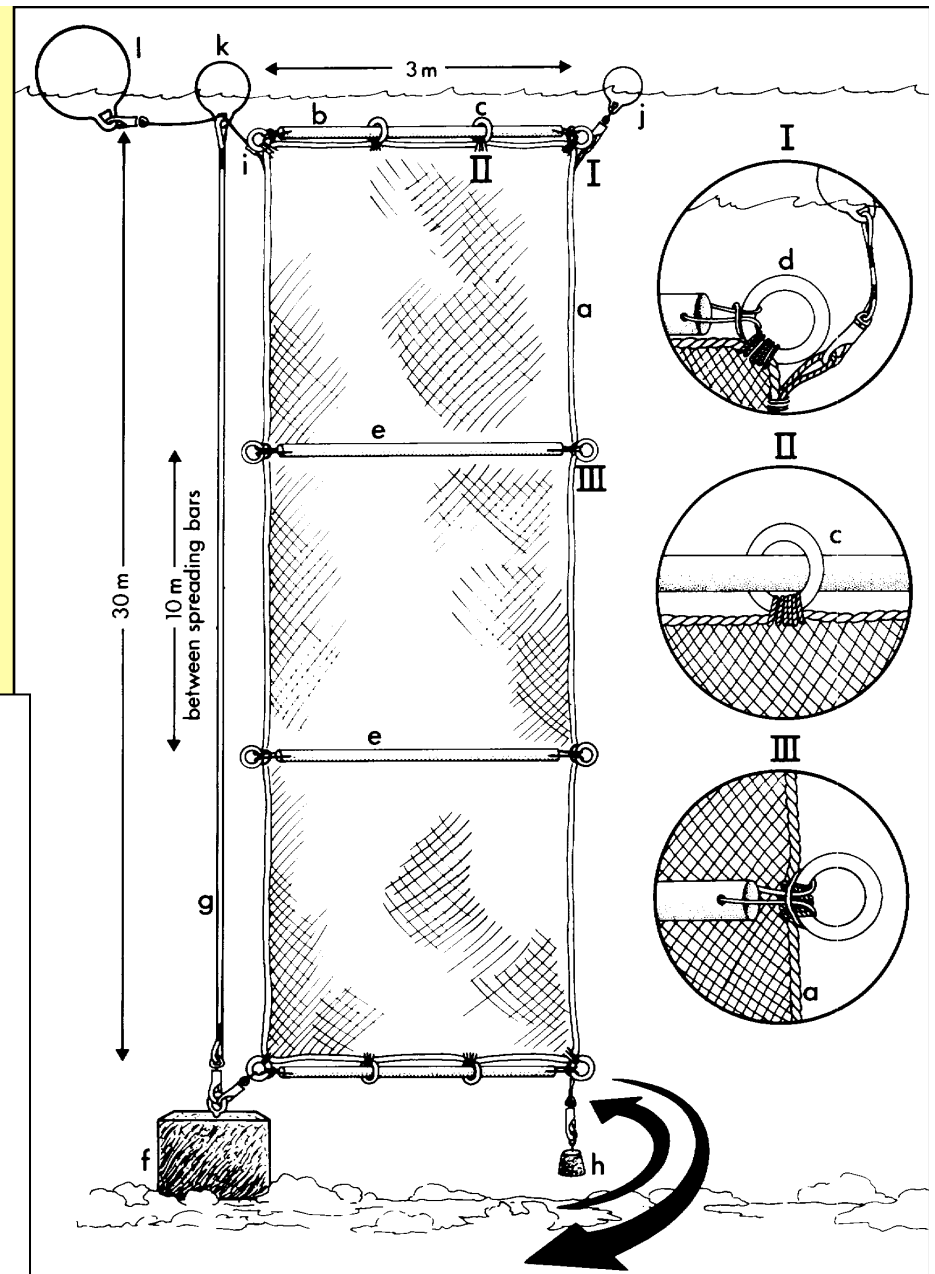
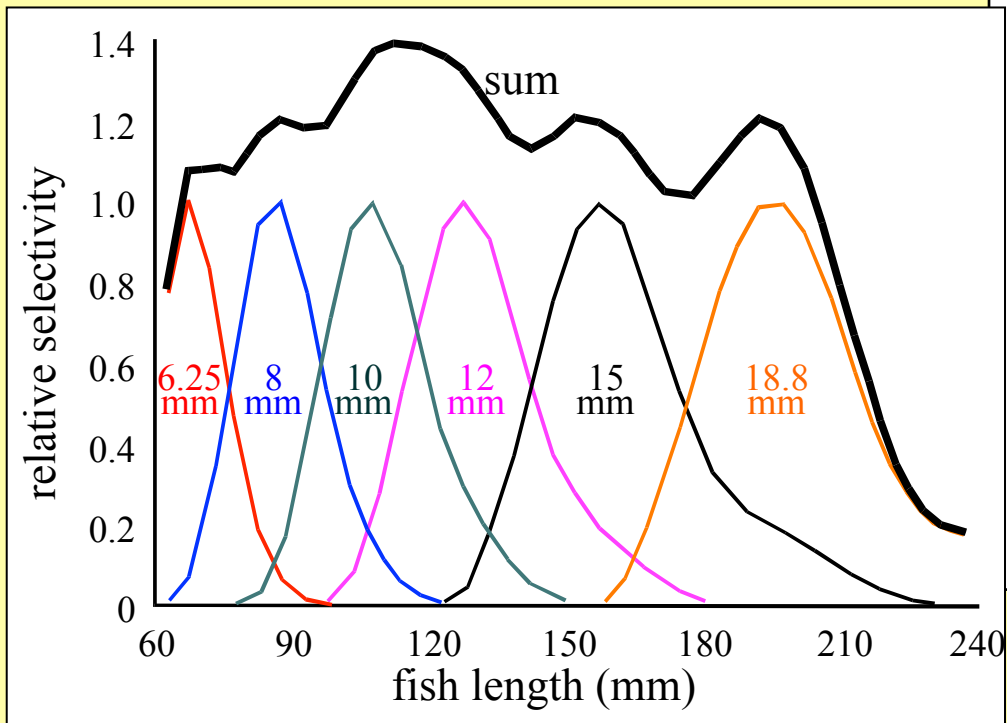
Hydroacoustic fish abundance



From: Axenrot T. and Hansson S. (2004) Seasonal dynamics in pelagic fish abundance in a Baltic Sea coastal area. *Estuarine, Coastal and Shelf Science* 60, 541-547.



12 mm

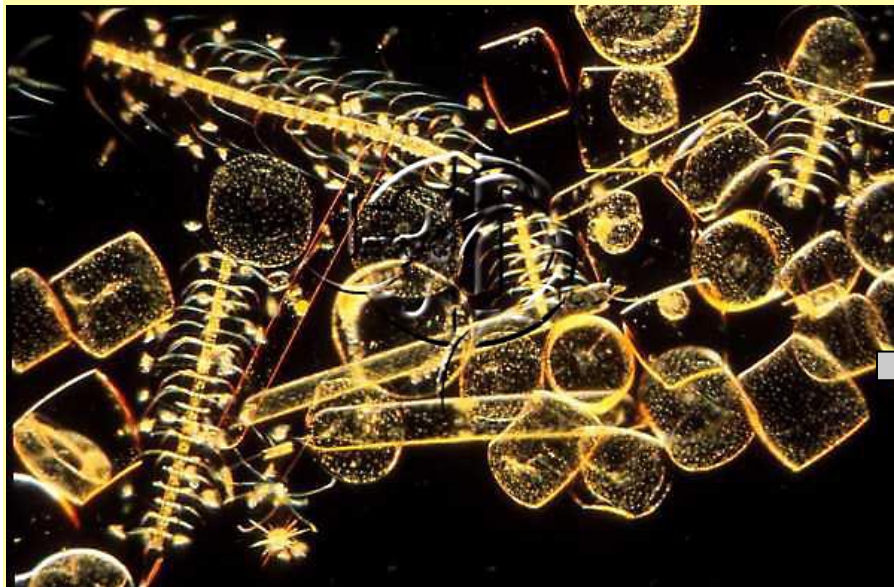




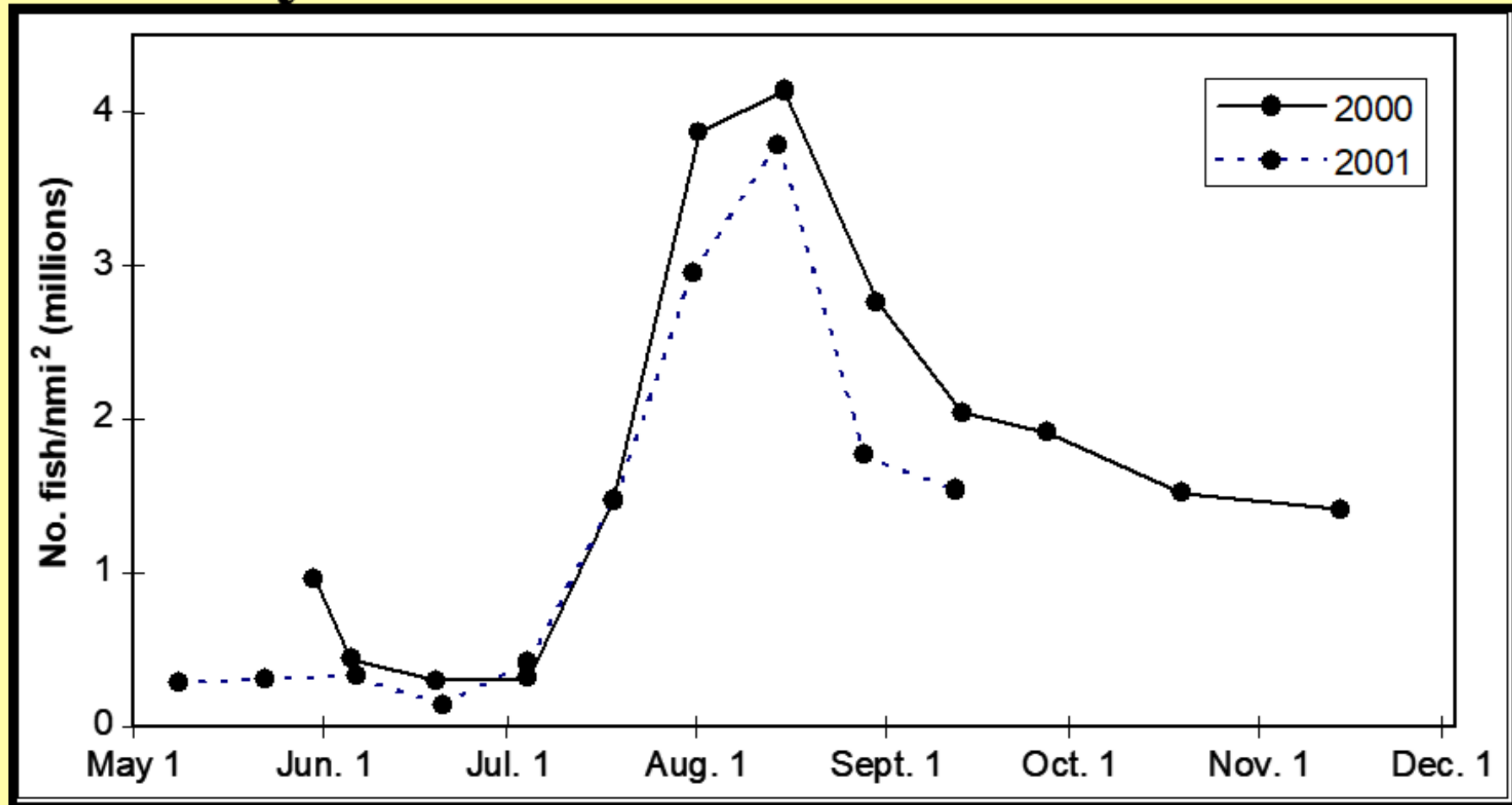
Strömning



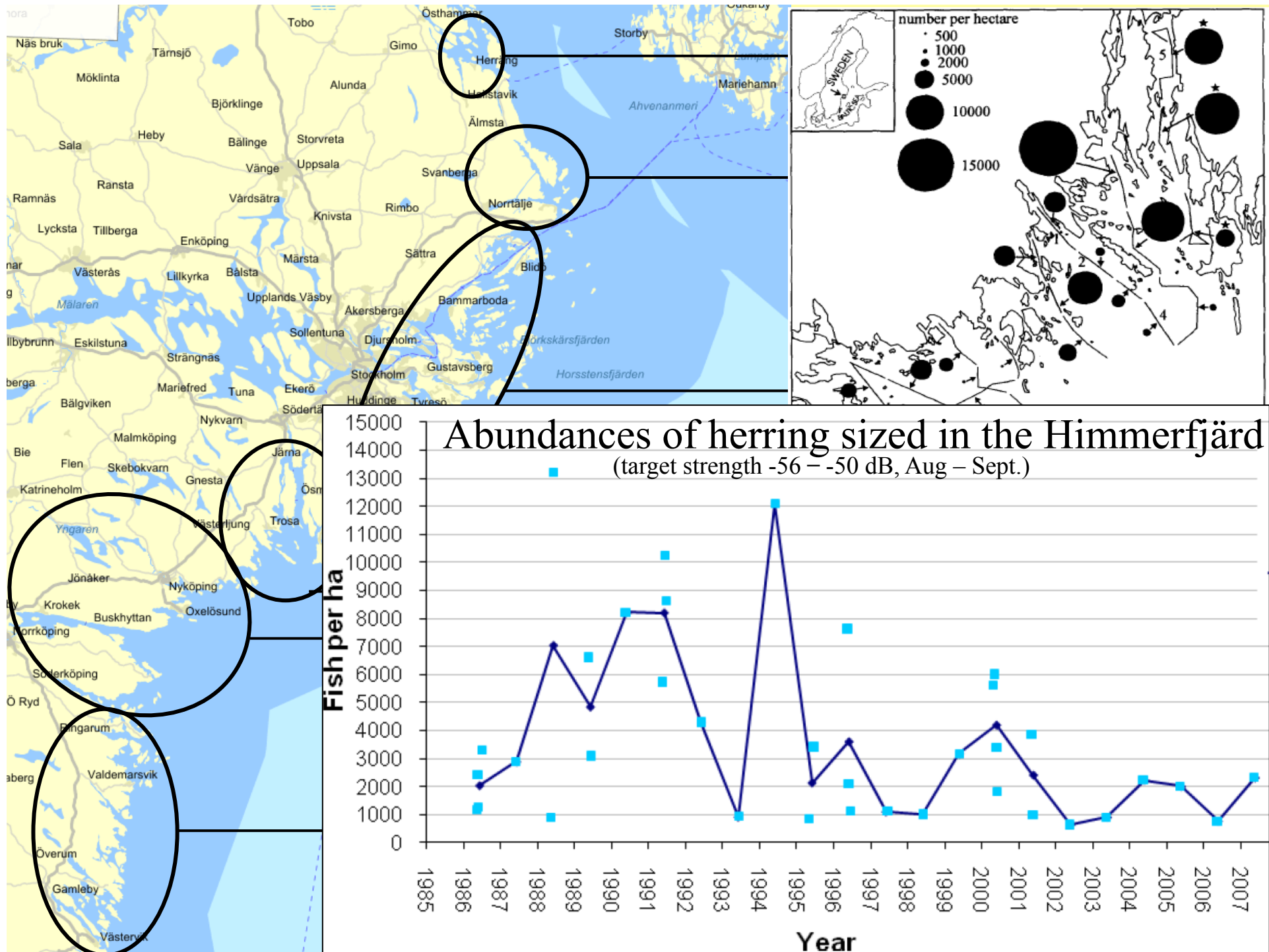
**Zoo-
plankton**



Hydroacoustic fish abundance



Vad leder det till, för kustens ecosystem,
om denna production och uppbyggnad av
biomassa av små fiskar reduceras kraftigt?



Tack för att ni lyssnade!

