

What can we learn from the stock collapse and recovery of North Sea herring? A review - DTU Orbit (06/08/2016)

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The collapse and recovery of North Sea herring in the latter half of the twentieth century has been well documented. With hindsight and the benefit of almost 40 years of extra data and studies, we can now obtain a clear view of the impact of the collapse and the recovery on the stock, the fishery, and the North Sea system. The study will review the changes in productivity in terms of growth, maturity, natural mortality and recruitment and the changes in distribution and demography of the stock associated with the collapse and recovery. It will also comment on the impact on the genetic makeup of the stock and potential consequences for fisheries induced change. This will then be considered in the context of the ecosystem as a whole and how the fisheries were affected. A final synthesis section first will look at how we can take these issues into management of North Sea herring, via projections and advice and secondly highlight the relevant lessons for the management of other fish stocks and other marine shelf ecosystems

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