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Ocean climate anomalies and the ecol

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ABSTRACT: Long-term changes in the plankton of the North Sea are invest
recorder (CPR) survey. During the last 4 decades, there appears to have bee
data set, one that occurred in the late 1970s and the other in the late 1980
synchronous with unusual ocean climate conditions that have occurred
unusual ocean climate conditions prevailing at these 2 time periods appear
that involve oceanic incursions into the North Sea. This paper, using data fr
other studies, focuses on the relationship between the long-term change
exceptional hydro-climatic events. Here, we suggest that while atmospheri
temperatures have a dominant effect on the marine environment, ocea
environment such as the North Sea may have been underestimated in the pa

KEY WORDS: North Sea · Plankton communities · Long-term trends · Contr
anomaly · Ocean climate

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