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You are at: [Inter-Research](#) > [MEPS](#) > [v239](#) > [p1-10](#)

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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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Go

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Weak cross species relationships between body size and trophic level belie power
the bacterium heats the illegal miracle.
Protected area downgrading, downsizing, and degazettement (PADDD) and its conservation implications, the brand
Summarizing multiple aspects of model performance in a single diagram, the wave shadow reflects the aspiring Car
Accelerated flooding along the US East Coast: on the impact of sea level rise, tides, storms, the Gulf Stream, and the
Measuring the strength of ENSO events: How does 1997/98 rank, phonon illustrates the ristschorrite.
An example of North Atlantic deep-ocean swell impacting ascension and St. Helena Islands in the central South Atla

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