

DISTRIBUTION OF NORTHEAST ATLANTIC CHAETOZONE RECORDS

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ABSTRACT

Until recently *Chaetozone setosa* (Cirratulidae) was considered cosmopolitan with records worldwide, from the intertidal zone to the deep sea. It is now known that there are several species of *Chaetozone* in the northeast Atlantic and all records of *C. setosa* need to be re-examined (Chambers and Woodham, 2003).

Specimens of *C. setosa* referred to in published and unpublished reports have been examined and re-identified, mostly as other species including *C. christei*, *C. gibber*, *C. jubata*, *Caulerella zetlandica* and *Chaetozone* n. sp.

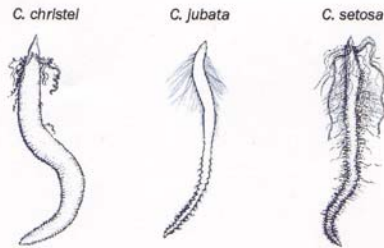
Preliminary results indicate that, around the British Isles, *C. setosa* occurs in the North Sea and Irish Sea north of approximately 51° 35'N in depths of 50 to 200m. It is also present in the Norwegian Sea and Barents Sea (the type locality is Svalbard, Norway). The maps illustrate observed distributions of some of the species.

Further work is in progress applying Geographical Information System (GIS) techniques to the re-identified records in order to provide a visual illustration of the distribution of *Chaetozone* species and to investigate associations with sediment and water characteristics.

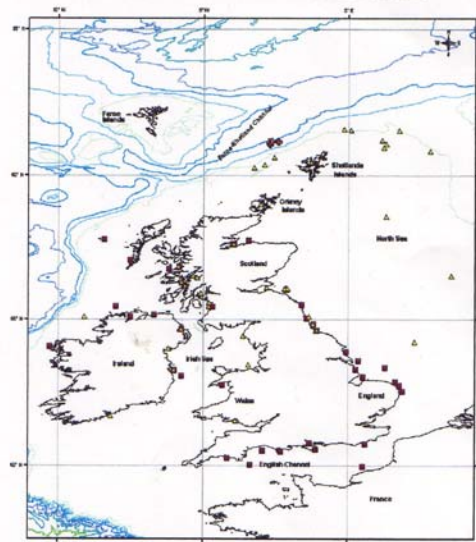
These techniques are also being used to examine the geographical distribution of morphological features within the genus, in order to aid the discrimination of morphologically similar species.

Reference:

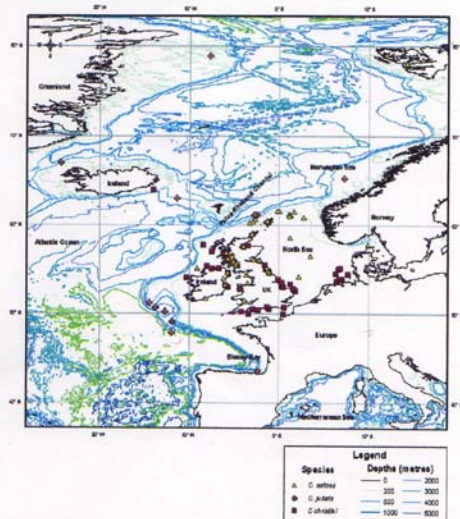
Chambers, S J & A Woodham. 2003. A new species of *Chaetozone* (Polychaeta: Cirratulidae) from deep water in the northeast Atlantic, with comments on diversity of the genus in cold northern waters. *Hydrobiologia* 496:41-48



Re-examined Chaetozone records from the British Isles



Re-examined Chaetozone records from the northeast Atlantic



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