

Interactive comment on “Distribution of overwintering *Calanus* in the North Norwegian Sea” by A. Edvardsen et al.

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Received and published: 16 May 2006

The authors would like to thank the referee for the criticism and suggestions provided. In our reply, we have kept the structure given in the interactive comment by the referee.

1. General comments

Regarding the inter annual variability, this is not the main focus of the ms, but important as an argument to state that this is a dynamic system. At a later stage, data on the winter distribution from 2000-2006 will be available, and the inter annual variability can then be discussed at a detailed level. From the referee comments, we see that the introduction should clarify the relation of this ms to the rest of the data available, both prior and after the period described in the current ms.

2. Specific comments

- i) This has been our concern too, but adding the stations on fig. 1 would mean a lot of dots. The referee has a valid point, and we will add the stations to fig. 1, with different symbols for each of the three cruises.
- ii) We will rewrite the description on how the depth intervals were set.
- iii) This statement involves no calculations, so we will change “on average” to “of/in the order of”.
- iv) Units are given on top of each panel column, but we will add them to the legend too.
- v) We will add the within species relative abundance in parenthesis in tab. 5.
- vi) The in situ density of ambient seawater is included because it might provide useful information in connection to the lipid content, and maybe also be used in evaluating the ability of the population to retain in a given area. These are of course speculations, but nonetheless included because it has been the concern of others in this field. We will rewrite this section to distinguish more clearly between what is relevant to density and what is relevant to depth.

3. Technical comments

- i) “ca.” changed to “approximately” in the Abstract.
- ii) “covered” changed to “cover”.
- iii) “Bathymetri” changed to “Bathymetry”.
- iv) This sentence is to be deleted
- v) “dominating” changed to “dominant”.
- vi) Changed to “effectively transported”
- vii) Changed according the referee suggestion.

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- viii) Deleted.
- ix) “were” replaced by “was”.
- x) Changed according the referee suggestion.
- xi) “less” changed to “lower”.
- xii) Changed according the referee suggestion.
- xiii) “entering” changed to “enter”
- xiv) “The moulting” changed to “The moult”

Interactive comment on Ocean Sci. Discuss., 3, 25, 2006.

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