

Interactive comment on “Can whales mix the ocean?” by T. J. Lavery et al.

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We thank Andre Visser for his rigorous evaluation of the manuscript. In response to Visser's comments we have made a suite of modifications that have improved the quality of the manuscript. Below we have included our response to the concern regarding normalising the comparisons over the same spatial area (the original referee comments are included in inverted commas for reference).

1. “Specifically, in order to be consistent, the number density of whales should be calculated over same spatial areas as the mixing processes it is to be compared to”. Both the mixing ability of whales and the mixing processes used for comparison have been normalised to area. The area used is the foraging path of the whales (10^4 m²). To increase clarity regarding this, we have explicitly outlined the normalisation in Section 2.1 and have discussed the foraging path throughout the discussion.

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