

*The following supplement accompanies the article*

# **Sediment mixed layer as a proxy for benthic ecosystem process and function**

**L. R. Teal<sup>1,3,\*</sup>, E. R. Parker<sup>2</sup>, M. Solan<sup>1</sup>**

<sup>1</sup>Oceanlab, University of Aberdeen, Main Street, Newburgh, Aberseenshire AB41 6AA, UK

<sup>2</sup>Centre for Fisheries and Aquaculture Science (CEFAS), Pakefield Road, Lowestoft, Suffolk NR33 0HT, UK

<sup>3</sup>*Present address:* Institute for Marine Resource and Ecosystem Studies (IMARES), Haringkade 1, IJmuiden, The Netherlands

\*Email: [lorna.teal@wur.nl](mailto:lorna.teal@wur.nl)

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**Fig. S1:** Sediment depth profiles of mean grey scale value ( $n = 3$ ), porosity ( $n = 1$ ), Fe and Mn ( $n = 2$  in both cases), chlorophyll *a* and carbon ( $n = 3$  in both cases), toxN, NH<sub>4</sub>-N, NO<sub>3</sub>-N, NO<sub>2</sub>-N, PO<sub>4</sub>-P, D-Si ( $n = 1$  in all cases), NH<sub>4</sub>-ads and D-Si<sub>ads</sub> ( $n = 3$  in both cases) per station at the Oyster Ground in February 2007









