

Review of: "Effects of Sediment Disturbance by the Heart Urchin *Echinocardium Cordatum* on the Sediment–Seawater Solute Exchange: An Exclusion Experiment"

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Potential competing interests: No potential competing interests to declare.

General

Check writing mistakes (*Echinum Cordatum* with capital C in title, *Persisent* in the introduction, Figure 1 instead of Table 1).

It won't be possible to measure CO₂ fluxes?

Introduction

A graphic to show the sediment reworking process would be nice.

Are the cores kept standing in the 50L ice boxes? It sounds like the sediment may be mixing in the cores.

A graphic for the lab setup would also make the methods of the solute-flux measurements easier.

Results

Table 1 is not clear; it seems that the control was tested in light and the treatment in darkness.

Sure about this: "In light, this sediment removed on average ~39% more N₂ from the overlying seawater than under conditions of darkness, although this difference was not significant." In fact, in Table 2, it is significant.

Effects ARE different.