

Interactive comment on “Enhanced ocean carbon storage from anaerobic alkalinity generation in coastal sediments” by H. Thomas et al.

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I am glad to read this manuscript as the conclusions support what I published in Deep-Sea Research in 2002 entitled "Shelf vs dissolution-generated alkalinity above the chemical lysocline". In the abstract I stated .."Processes that increase alkalinity in the upper water column facilitate the sequestration of anthropogenic CO₂", and .."such anaerobic processes as sulfate reduction in the sediments on the continental shelves do generate alkalinity". These seem to be exactly the same messages the present authors wish to convey based on their independent set of high quality data. I welcome the publication of the paper(maybe they should cite my paper of 2002).

Interactive comment on Biogeosciences Discuss., 5, 3575, 2008.

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Interactive Discussion

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