

Interactive comment on “Morphological and sedimentological response of a mixed-energy barrier island tidal inlet to storm and fair-weather conditions” by G. Herrling and C. Winter

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Dear Editor;

Past weeks I reviewed the excellent work by G. Herrling and C. Winter on Morphological and sedimentological response of a mixed-energy barrier island tidal inlet to storm and fair-weather conditions.

The work describes a convincing piece of science on sediment transports around ebb tidal delta's. It has a clear and convincing style. This is a very relevant issue for a better understanding on sediment dynamics basin-inlet systems. These systems have a high ecological and economic value and are potentially vulnerable to future developments

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like sea level rise. The work definitely contributes to a better understanding on how to manage these systems in a sustainable way.

In the attached document includes some of my comments, maybe the major one related to the question whether or not different sediment fractions are needed or not. I guess this question can be answered by few additional runs.

Mick van der Wegen

Please also note the supplement to this comment:

<http://www.earth-surf-dynam-discuss.net/1/C395/2013/esurfd-1-C395-2013-supplement.pdf>

Interactive comment on Earth Surf. Dynam. Discuss., 1, 745, 2013.