

Oyster reefs (*Crassostrea gigas*) stabilize eroding tidal flats

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Foreshore erosion brings problem with a loss of biodiversity and more wave energy on the dike in case of a storm. Oyster reefs can be used to reduce the rate of erosion. My research aims to provide more insight in the effectiveness of the oyster reefs in reducing erosion.

My project is focusing on two aspects. The first aspect is the influence of the oyster reefs on the local morphology directly around the oyster reefs. The second aspect is the influence of storms on the erosion. It is unclear what the erosion rate is under fair weather conditions and under storm conditions. I try to provide better insight on the influence of storms on the erosion that takes place. Using Differential GPS measurements and Manual levelling I monitored the morphology on the Oesterdam nourishment. This provided more insight in the morphology around oyster reefs.