

The effect of tidal basin connectivity and waves on sediment transport patterns in the Ameland Inlet

inlet?

Methodology

- 1. Online Coupling of Delft3D-FLOW&SWAN.
- 2. Settings for Delft3D-FLOW:



Simulations	Duration
Sim1_W_Strong	09/09/2011-19/09/2011
Sim2_W_Mild	10/08/2007-20/08/2007
Sim3_NW_Strong	02/12/2011-12/12/2011
Sim4_NW_Mild	04/08/2011-14/08/2011
Sim5_N_Strong	08/01/2012-18/01/2012
Sim6_N_Mild	30/03/2007-09/04/2007
Sim7_NE_Strong	24/04/2012-04/05/2012
Sim8_NE_Mild	05/02/2007-15/02/2007
Sim9_SW_Strong	01/03/2007-11/03/2007
Sim10_SW_Mild	13/07/2011-23/07/2011
5. Position of pre-defined cross-sections:	
6.12×10^5 The position	of pre-defined cross-sections Dep
6.1	-10 -10 -10
6.08 Ameland Inlet	
6.06 Secondary	Chapter
47. 6.02	-5 -5
	Watershed
5.96	Theast Shee

6. Use of 'Godin Filter' for subtidal values (detiding the signal).

- multiple tidal-inlet system: the Dutch Wadden Sea. Ocean Dynamics, 65(9-10), 1321-1333.

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