

Model scenario	North Sea water level	Lagoon water level	Topography	Extinction depth
Reference	Tide gauge + wave breaking	Hindcast Delft3D model	Monitoring data (surveys)	0.5 m–surface
A: inundation (Sect. 2.5.1)	A1: MSL (constant)	A1: MSL (constant)	Monitoring data (surveys)	0.5 m–surface
	A2: tide gauge (excluding waves)	Hindcast Delft3D model	Monitoring data (surveys)	0.5 m–surface
B: morphology (Sect. 2.5.2)	Tide gauge + wave breaking	Hindcast Delft3D model	B1: constant morphology	0.5 m–surface
	Tide gauge + wave breaking	B2: tide gauge (North Sea)	Monitoring data (surveys)	0.5 m–surface
C: recharge (Sect. 2.5.3)	Tide gauge + wave breaking	Hindcast Delft3D model	Monitoring data (surveys)	C1: 0.25 m–surface
	Tide gauge + wave breaking	Hindcast Delft3D model	Monitoring data (surveys)	C2: 0.75 m–surface