

Annex III: Inventory of recent accretion studies in Wadden Sea salt marshes

Table III: Inventory of surface-elevation change (SEC) in Wadden Sea salt marshes, limited to data used in this report and collected after 2000 (if possible). The table presents the data that were used to compile Figure 7. Each site was considered as a single case and spatial resolution per site varied.

Country	Area	Period (included)	SEC mm/yr	Methods	References
Barrier-connected marshes					
NL	Vlieland	2002-2008	7.2	SEB	Esselink, 2006; Esselink, unpub. data
NL	Terschelling	1996-2022	1.5	SEB	Van Dobben et al., 2022; University of Groningen, unpub. data
NL	Schiermonnikoog	1992-2009	2.8	SEB	Cornacchia et al., 2024
HH	Scharhörn/Nigehörn	2011-2015	3.5	SEB	Hellwig, unpub. data
SH	Trischen	2005-2021	5.9	SEB	Padlat unpub. data; Stock et al., 2014
SH	Sylt	2009	3.3	Pb-210	Schuerch et al., 2012; 2013
DK	Skallingen	2001-2011	1.3	SEB	Van Wijnen & Bakker 2001; University of Groningen, unpub. data
Chenier-protected marshes					
LS	Mellum	2006-2012	2.1	SEB	Bass et al., 2022
Hallig salt marshes					
SH	(Nordmarsh-) Langeneß	1986-2011	1.6	Cs-137 & Pb-210	Schindler, 2014
SH	Gröde	2009-2021	2.8	SEB	Padlat unpub. data
SH	Hooge	2009-2021	0.8	SEB	Schindler et al., 2014; Padlat unpub. data
SH	Norderoog	2018-2021	4.1	SEB	Padlat unpub. data
SH	Nordstrandischmoor	2009-2021	-1.4	SEB	Padlat unpub. data
Foreland-type marshes					
NL	Friesland-Westhoek	2015-2018	16.3	SEB	Baptist et al., 2019
NL	Friesland-NFB	2000-2020	13.6	SEB	Elschot et al., 2020
NL	Friesland-Holwerd	2008-2020	11.9	SEB	Elschot et al., 2023
NL	Peazemerlannen	2007-2020	8.3	SEB	Van Duin, 2021
NL	Groningen-Julianapolder	1998-2020	7.0	SEB	Elschot et al., 2020
NL	Groningen-Negenboerenpolder	1994-2020	12.5	SEB	Elschot et al., 2020
NL	Dollard: C.C. - polder	2002/03-2012	0.9	Levelling	Esselink 2007; Esselink et al., 2013
NL	Dollard: Reiderwolderpolder	2003-2012	4.0	Levelling	Esselink, 2007; Esselink et al., 2013
LS	Leybucht	2006-2009	16.2	SEB	Bass et al., 2022
LS	Norderland	2006-2009	0.7	SEB	Bass et al., 2022
LS	Jadebusen-West	2006-2009	10.9	SEB	Bass et al., 2022
LS	Jadebusen-Ost	2006-2009	9.3	SEB	Bass et al., 2022
SH	Dagebüll (VMK_T2)	2001-2015	8.7	SEB	Padlat, unpub. data
SH	Dieksanderkoog (VMK_T11)	2001-2020	11.8	SEB	Padlat, unpub. data
SH	Friedrichskoog Nord (VMK_T9)	2001-2020	11.8	SEB	Padlat, unpub. data
SH	Friedrichskoog West (VMK_T10)	2001-2020	6.8	SEB	Padlat, unpub. data
SH	Hamburger Hallig (mainland)	1996-2021	6.0	SEB	Padlat, unpub. data; Stock, 2011
SH	Heringsand-Hillgrovener Koog (VMK_T8)	2001-2020	4.6	SEB	Padlat, unpub. data
SH	Pohnshalligkoog (VMK_T5)	2001-2021	9.9	SEB	Padlat, unpub. data
SH	Sönke-Nissen-Koog (VMK_T3)	2001-2021	12.0	SEB	Padlat, unpub. data
SH	Süderheverkoog (VMK_T7)	2001-2021	10.7	SEB	Padlat, unpub. data
SH	Tümlauer Bucht	2008-2021	5.3	SEB	Padlat, unpub. data
SH	Uelvesbüllerkoog (VMK_T6)	2001-2011	5.2	SEB	Padlat, unpub. data
SH	Westerhever	2008-2021	5.3	SEB	Padlat, unpub. data
Summer polders					
HH	Neuwerk	2011-2015	-2.2	SEB	Hellwig, unpub. data; Esselink et al., 2017
NL	Peazemerlannen	2007-2020	2.0	SEB	Van Duin, 2021