

TMAP Wadden Sea Sedimentation Database

Martin Stock

Abstract: Elevation changes in the salt marshes of the Schleswig-Holstein Wadden Sea National Park are measured annually since 1992 in relation to sea level rise, vegetation changes and salt marsh management by means of sedimentation-erosion-bar (SEB) measurements. In total, 144 permanent plots were established along transects with a concentration to three different locations along the coast, namely the Hamburger Hallig, the salt marshes of Westerhever and on the island of Trischen. The measurements are part of the Trilateral Monitoring and Assessment Programm (TMAP) within the trilateral Wadden Sea Cooperation. The data provide a baseline for further studies of vegetation changes in salt marshes and in relation to management and coastal protection activities. This report describes the available content in the TMAP Wadden Sea Sedimentation Database (GIVD ID EU-DE-032).

Keywords: accretion; conservation; elevation change; land use; management; national park salt marsh.

GIVD Database ID: EU-DE-032		Last update: 2012-05-09
TMAP Wadden Sea Sedimentation Database		
Scope: Database of measurements of elevation changes along transects in the salt marshes of Schleswig-Holstein in relation to sea level rise and vegetation changes by means of sedimentation-erosion-bar (SEB) measurements. In total 144 permanent plots have been monitored annually since 1992.		
Status: completed and continuing	Period: 1992-2011	
Database manager(s): Martin Stock (martin.stock@lkn.landsh.de)		
Owner: LKN-SH Dr. Martin Stock Nationalparkverwaltung Schlossgarten 1 D-25832 Tönning		
Web address: [NA]		
Availability: according to a specific agreement	Online upload: no	Online search: no
Database format(s): Excel	Export format(s): Excel, CSV file, plain text file	
Publication: [NA]		
Plot type(s): time series	Plot-size range: 4-4 m ²	
Non-overlapping plots: 144	Estimate of existing plots: [NA]	Completeness: [NA]
Total plot observations: 144	Number of sources: 1	Valid taxa: [NA]
Countries: DE: 10.0%		
Forest: 0% — Non-forest: aquatic: 0%; semi-aquatic: 0%; arctic-alpine: 0%; natural: 0%; semi-natural: 0%; anthropogenic: 0%		
Guilds: all vascular plants: 100%		
Environmental data: altitude: 100%; other soil attributes: 100%		
Performance measure(s): [NA]		
Geographic localisation: GPS coordinates (precision 25 m or less): 100%		
Sampling periods: [NA]		
<i>Information as of 2012-07-12; further details and future updates available from http://www.givd.info/ID/EU-DE-032</i>		

Martin Stock (martin.stock@lkn.landsh.de)

Umweltbeobachtung und Planungsgrundlagen, Nationalparkverwaltung, Schlossgarten 1, 25832 Tönning, GERMANY