

EN GÅTUR PÅ HAVBUNDEN

A WALK ON THE SEABED

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En gåtur på havbunden

I århundreder har mennesket vidst, at der var en sammenhæng. Det var tiltrækningskræfterne mellem Jorden, Månen og Solen, der var årsagen til det fænomen, vi kalder tidevand.

To gange inden for et tidsrum, der er lidt større end et døgn presses havet bort fra det store lavvandede område øst for Himmerland. Når tidevandet er kraftigst, kan vi gå langt ud i det, der for få timer siden var hav. De usynlige kræfter skaber en døgnrytme med flod og ebbe.

I forhold til andre steder på Jorden er forskellen på flod og ebbe relativt lille her ved kysten. Tidevandet varierer over året i forhold til Månen og Solens placering i forhold til Jorden. Den højeste vandstand er 19 centimeter over normal vandstand, mens den laveste vandstand er på minus 23 centimeter

under normal vandstand. Virkningen kan forstærkes af vejr og havstrømme.

Mange steder på Jorden er tidevandet langt mere voldsomt. Jeg har oplevet et tidevand i Newfoundland, hvor havoverfladen sank med 16 meter ved ebbe. Alligevel er det et voldsomt naturfænomen her ved Østhimmerlands kyst. På en kvadratkilometer omfatter forskellen i vandmængden 420 millioner liter havvand mellem flod og ebbe, når tidevandsforskellen er på sit højeste.

En gåtur ud på den blotlagte havbund under ebbe er en smuk oplevelse. Pludselig er småkravl blotlagt for øjet. For de små dyr og vækster må det virke som en ekstrem stormflod, når højvandet vender tilbage, men de har indrettet deres liv på dette voldsomme fænomen. Faktisk er mange arter afhængige af tidevandets bevægelser.

A walk on the seabed

For centuries, man has known that there was a connection. It was the forces of attraction between the Earth, the Moon and the Sun that was the cause of what we term the tide.

Twice within a period of a little more than 24 hours, the sea is pushed away from the vast shallow area east of Himmerland. When the tide is strongest, we can walk far out into what was a sea a few hours ago. The invisible forces create a circadian rhythm with flood tide and ebb tide.

Compared to other places on the Earth, the difference between high and low tide is relatively small on this coast. The tides vary over the year in relation to the Moon and the Sun's position relative to the Earth. The highest water level is 19 centimetres above normal water level, while the lowest water level is minus 23 centimetres below normal water level. The effect can be enhanced by the

weather conditions and the ocean currents.

At many places on the Earth, the tide is much more powerful. I have experienced a tide in Newfoundland, where the sea level sank by 16 meters at ebb. Nevertheless, it is also a heavy natural phenomenon here on the coast of East Himmerland. In one square kilometre, the difference in the amount of water includes 420 million litres of seawater between river and ebb, at the height of the tidal gap.

A walk out on the exposed seabed under the ebb is a beautiful experience. Suddenly, small animals are exposed to the eye. For small animals and growths, it must seem like an extreme storm surge, when the high tide returns, but they have adapted their lives on this extreme phenomenon. In fact, many species depend on the tide.



Aalborg Bugt, Dokkedal, juni 2018

The bay Aalborg Bugt, Dokkedal, June 2018



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KOLOFON

*Ugens foto: En gåtur på havbunden
Af Keld Jensen*

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COLOPHON

*Photo of the week: A walk on the seabed
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