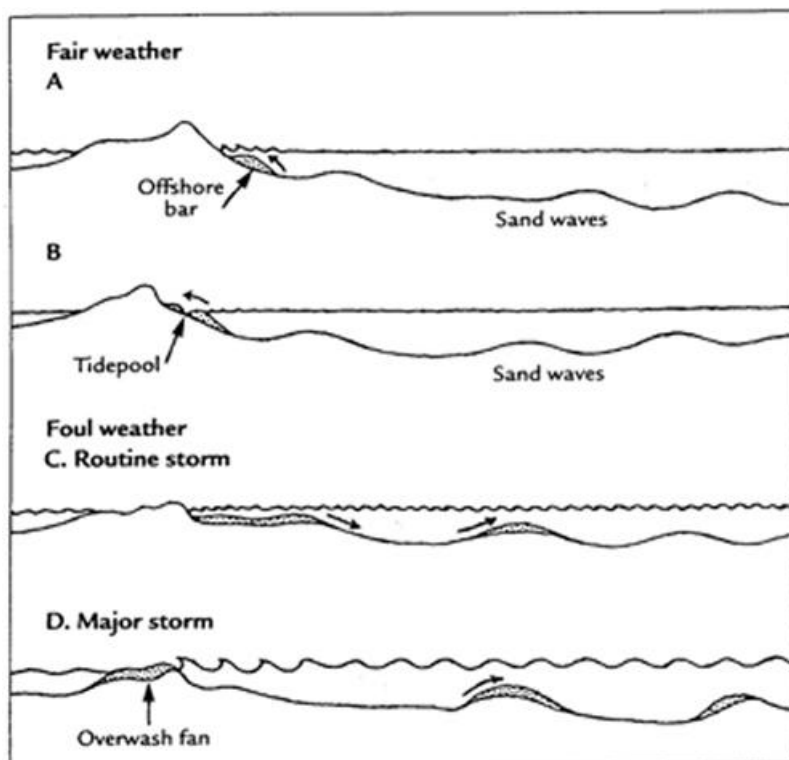


Diagram of sand exchange

Diagram of sand exchange

The coastal sand-sharing system, fair weather and foul. In fair weather, collapsing breakers and tides move sand onto the beach from offshore bars (A), sometimes creating a narrow tidepool on the beach (B). In foul weather, spilling and plunging breakers erode sand from the beach and carry it offshore to form sandbars (C). In major storms, high waves and tides move sand over and between sand dunes to form overwash fans behind the dunes (D). Overwash events often carry sand onto roads and buildings built close to the beach.



Usage Statement:

All Rights Reserved

"All rights reserved" is a traditional copyright term that indicates that the copyright holder reserves for his/her/their own use all of the rights given to copyright owners under U.S. copyright law. Items that are included in NCpedia and/or ANCHOR with this rights statement appear by agreement or permission from the rights holder or the institution that holds the item. Click "Available at" to visit the website for the collection where the item appears for more information about the rights or specific uses allowed. For all other non-specified uses, please contact the copyright holder or item owner.

Source URL: <https://ncpedia.org/media/diagram-sand-exchange>