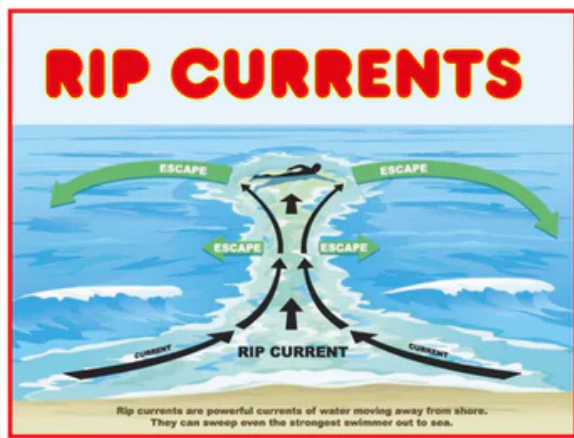


# LAVALLETTE, NJ

## WHAT ARE RIP CURRENTS



**IF CAUGHT IN A RIP CURRENT**

- Don't fight the current
- If you can't escape, float or tread water
- Swim out the current, then to shore
- If you need help, call or wave for assistance

**SAFETY**

- Know how to swim
- In doubt, don't go alone
- Never swim alone

TURTLE PROJECT

powerful, narrow channels of fast-moving water that are prevalent along the East, Gulf, and West Coasts of the US.

Rip currents: What are they & how can you keep yourself safe while. Turtl Project. (n.d.). <https://turtlproject.com/blogs/waterman-tips/do-you-know-what-rip-currents-are>

## WHAT IS BEACH EROSION

the loss of beach sand, usually from a combination of wind and water movement. Sand is picked up off the beach, and transferred to deeper water, or to another coastal spot.

## CAUSES

Beach erosion in the area is caused by storm activity, particularly from hurricanes or coastal storms. These storms bring huge/ powerful waves, and high winds, and change the shoreline such as moving sand offshore.



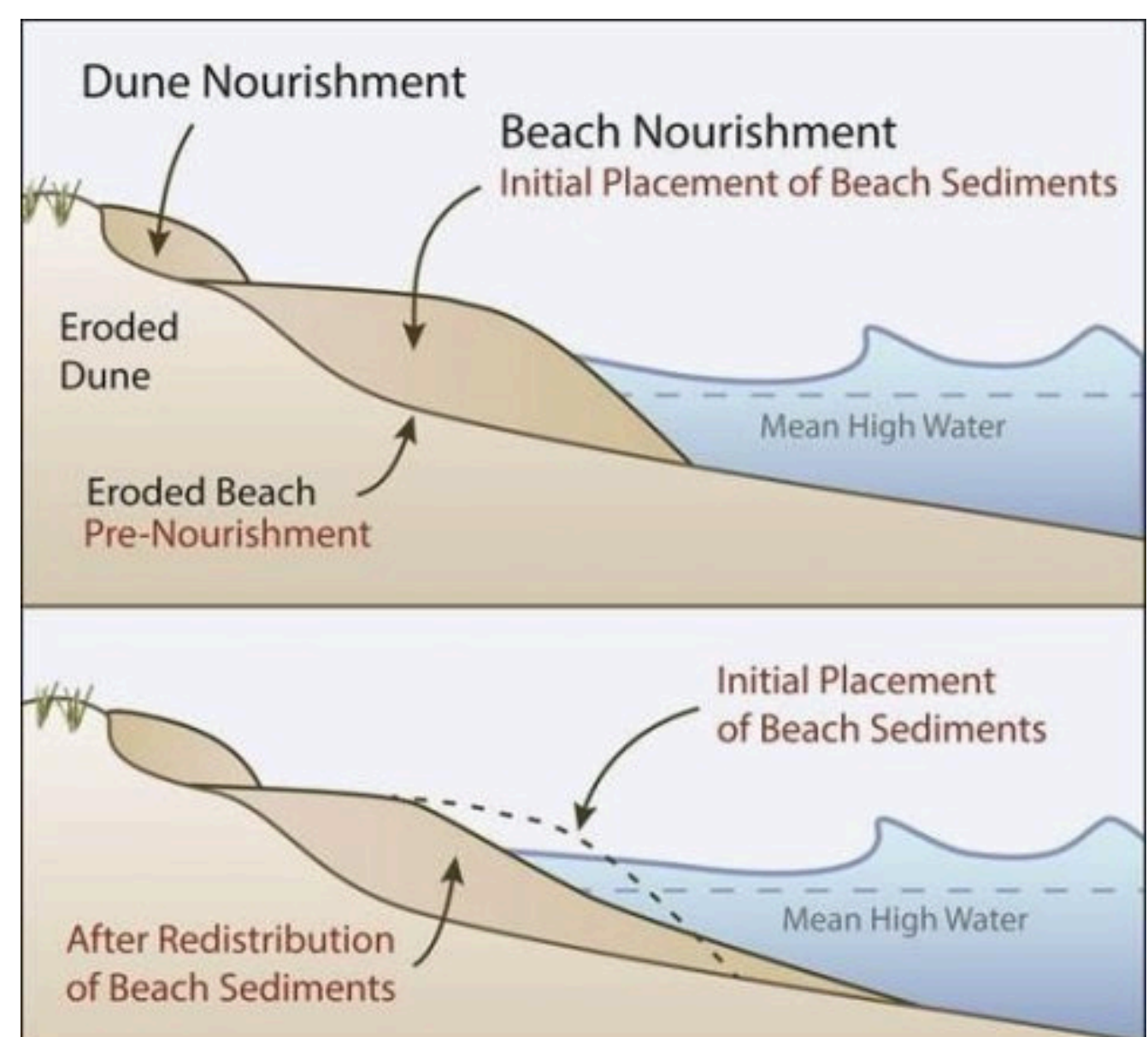
Explore Beachs Sand and Erosion. Explore beaches. (n.d.). <https://explorebeaches.msi.ucsb.edu/climate-change/sand-and-erosion>

## EFFECTS

The major effects of rip currents and beach erosion are the increased risk of drowning for swimmers, loss of beach habitat, and disruption of costal ecosystems. Beach erosion is caused by rip currents wave action can lead to significant loss of beach land, impacting coastal property values.

## POSSIBLE SOLUTIONS

Rebuilding and Elevating dunes will better withstand the impact of storm waves. Elevated dunes act like natural buffers and help prevent waves from reaching land areas. Adding structural projects, like seawalls and jetties, disrupts natural water currents and prevent sand from shifting along coastlines.



Massachusetts Wildlife Climate Action Tool. Restore natural coastal buffers: Beach and dune nourishment and restoration | Massachusetts Wildlife Climate Action Tool. (n.d.). <https://climateactiontool.org/content/restore-natural-coastal-buffers-beach-and-dune-nourishment-and-restoration>



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