

America's Coasts: Vital and Vulnerable

Immense Scale of U.S. Coastlines



Coastal Threats: A New Jersey Case Study



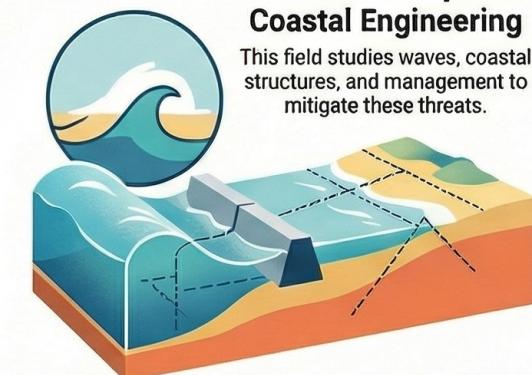
Superstorm Sandy (2012): Devastating Storm Surge

The storm veered abruptly, causing severe coastal flooding and widespread erosion.



Hurricane Ida (2021): Destructive Flash Floods

Its remnants delivered torrential rainfall, triggering severe inland flooding in NJ and NY.



How We Respond: Coastal Engineering

This field studies waves, coastal structures, and management to mitigate these threats.