

Shoreline change in Cuddalore district, Tamil Nadu (2008 and 2018)

Map description and analysis

Shoreline change in cuddalore district
2008 and 2018



Introduction:

Cuddalore has always been classified as a multi-hazard prone district. Cyclones and floods have wreaked havoc in the District several times in the past few centuries. For this map two years are considered to monitor the shoreline changes i.e 2008 and 2018.

YEAR	Length (m)
2008	53318.4
2018	53031.97

Type of data:

Data	Year	Resolution
LISS III	2008,2018	23.5m

Methodology:

Using LISS III data for creation of vector layer (line,shp) for 2009 and 2018 . Use the shoreline obtained from the LISS III data,

Application:

The Cuddalore district is divided into three coastal regions: Cuddalore, Port Novo and Chidambaram. The coastal region of Cuddalore has been affected by many coastal hazards such as tsunami, thane cyclone etc. These hazards have affected the shoreline of the area. This map will help to analyze the erosion and accretion rate of the coast. This in turn will help to understand the coastal vulnerability of the Cuddalore district.

SPARK

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Topic: Shoreline Change

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