

# Mumbai Shoreline Change Map

A shoreline is defined as the intersection of land and waterbody. The shoreline change for Mumbai district is illustrated here. (oct. 2008 to feb. 2018)

The red colour shows where some new land is seen on the shoreline. This change can be attributed partially to seasonal variations and partially to some construction or other projects going on, on the coast.

The light blue colour shows where water has submerged land beneath it. Since 10 years is a relatively short period to actually observe the rise in sea level and it's effects. This has occurred in very small patches.

Note: Inland patches correspond to other waterbodies.

The applications of such maps are:

1. Choosing areas for coastal construction activity.
2. Predicting the coast line change via similar maps of longer duration. (imp. for climate change plans)
3. Seasonal variation map helps in planning tourism.
4. Planning mangrove forestation to check further erosion and salination.
5. Spreading awareness about climate change.

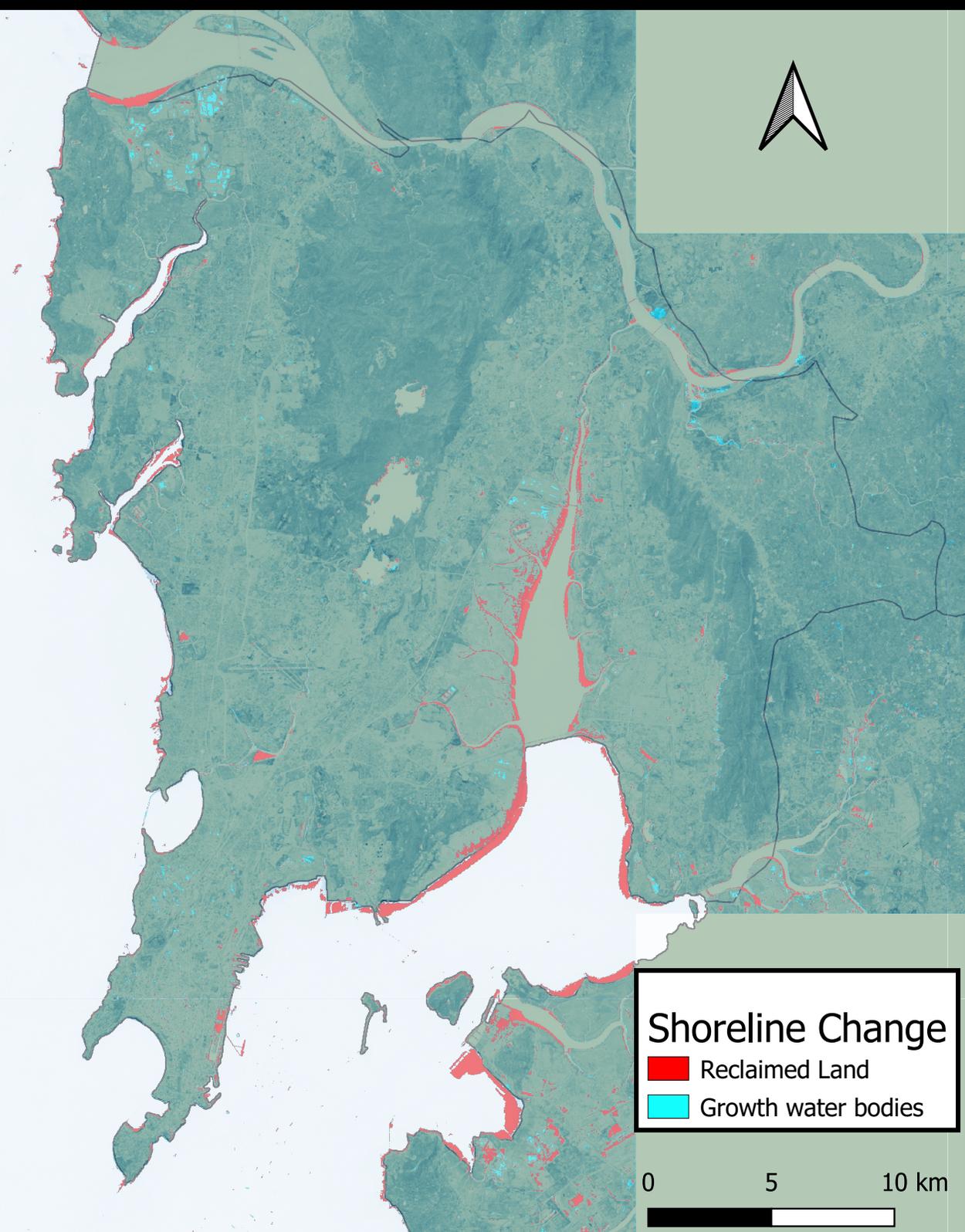
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Topic: Change Detection Waterbodies / Reservoirs / Wetlands.

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## Shoreline Change

- Reclaimed Land
- Growth water bodies

0 5 10 km