

Namibia – Coastal Development

Summary of coastal development pressure.

Base data source:

Coastal land transformation maps generated by Vera De Cauwer as part of the BCLME Physical mapping project ¹¹ were the base data. The mapping was based on orthophotos, satellite imagery and topographic maps, and gives an indication of any human transformation in the coastal area, e.g. roads, mines or settlements. The layer is now very dated especially considering that rapid urban expansion has occurred over the last few years in certain areas, such as between Swakopmund and Walvis Bay. In addition, the original data layer was based on datasets that were already dated at the time and in many cases incomplete.

Methods:

The base layer from the BCLME Physical mapping project was reclassified based on the type of transformation recorded. Scores used were 1= any type of extensive hard infrastructure, 0.5 = areas with roads, agriculture or forestry, 0 = areas which were identified as being natural. This layer was converted to a raster, and an average value calculated for each 5' grid cell.

Data archiving and GIS data links:

Shapefile: Namibia_Pressures_Grids.shp

Field: Nam_coast

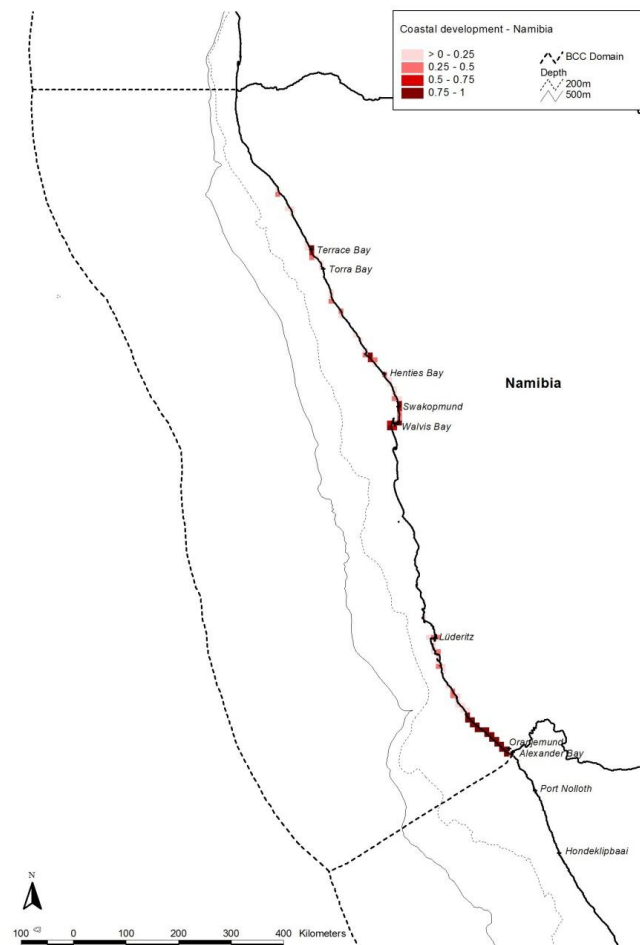


Figure 11: Namibia – Coastal Development.

¹¹ De Cauwer, V. 2007. BEP/BAC/03/02 Mapping of the BCLME Shoreline, Shallow Water & Marine Habitats: Physical mapping project. Project in collaboration with the Benguela Environment Fisheries