



# Climate Change & Shorelines

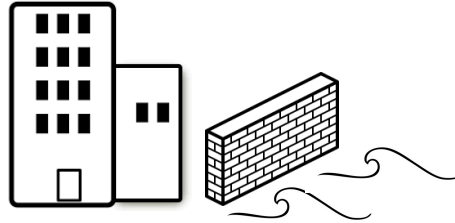
## Threats and Problems

### What are the current threats to shorelines & nearby structures?

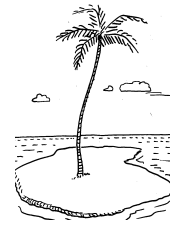
Natural events, like waves, currents & storms can cause flooding & loss of land



Destructive human activity & coastal development has damaged shorelines



Climate change is already causing increased flooding & loss of land from higher seas & severe storms



In the last 20 years, communities throughout Micronesia have experienced many changes to their shorelines due to natural events, human activity & climate change.

But, healthy coral reefs, seagrass, mangroves, beaches & forests provide natural protection to shorelines & will be less affected by climate change.

### With climate change, threats to shorelines are expected to become more frequent and severe

Warmer seas can cause:

- more frequent flooding
- loss of land
- salt water to enter homes, gardens & farms

Higher seas combined with severe storms can cause:

- extreme flooding
- increased erosion of land & soil
- damage to roads, houses & other buildings

Warmer seas can cause:

- coral to bleach or die
- less shoreline protection if coral reefs are damaged

**Remember, communities with healthy environments will be less affected by the impacts of climate change**