

Potential Impacts of Climate Change on Ningaloo



Increasing average temperatures



Heavier extreme rainfall events, but decrease to overall rainfall



Increases to cyclone intensity



Rising sea levels



Increasingly frequent & intense marine heatwaves



Ocean acidification

ENVIRONMENT

- Some species of fish and lobster are moving south
- Possible decline in turtle populations
- Possible increase in coral disease or predators
- Increased sedimentation following flood events for some areas
- Damage to tidal habitats, reefs, and sea grass
- Potential declines in key species due to loss of habitat
- Possible damage to reefs from increased wave action
- Increased coastal erosion
- Loss of seabird and turtle nesting areas
- Recurring mass coral bleaching
- Loss of seagrass and macroalgae
- Possible changes to reproduction and recruitment of marine species
- Declines in coral growth
- Reduction of phytoplankton and zooplankton which are a key food source

COMMUNITY

- Impacts on human health and wellbeing
- Potentially longer 'off-season' and increased seasonality of residency
- Flooding of property and infrastructure
- Potential water scarcity
- Road access cut more frequently
- Damage to property and infrastructure
- Reduced productivity of fisheries
- Higher storm surge and related flooding
- Loss of recreation areas and property
- Damage to cultural sites along the coast
- Decline in tourism if major bleaching occurs
- Decline in tourism if the reef is degraded