

GS-1 - 900.

1. Climate change factors are adversely impacting the Great Barrier Reef to sustain and regenerate itself. Substantiate.

Recently International Union for conservation of nature and UNESCO world heritage convention has proposed to list Great Barrier Reef in the list on world heritage in danger list.

Australia's Great Barrier Reef



The Reef is one of irreplaceable global ecosystem, biodiversity hotspot, in Australian East coast.

Climate change factors impacting Reef

The report says that climate change factors has affected the reef's ability to sustain and Regenerate, despite Australian governments efforts

1. Frequent Bleaching of corals

Reef 2010 - Government of Australia's initiative. Despite this '3' of back to back bleaching happened since 2015.

Effect

Increasing seasurface temperature and marine heatwaves, lead to 90% of degradation of Reef ecosystem.

Ipcc Report on Great Barrier Reef - Shows -
despite would achieving 1.5c target, it is
difficult to prevent frequent mass bleaching

Affect - tourism resulting in 10000 jobs and
AUSD 1 billion loss every year

2. Water quality - affected frequently

i) onshore - land based activity outside
protected areas are major reason.

ii) ~~It~~ Lack of implementation of climate
initiatives. climate goals havenot updated since 2015

iii)

3. pollution in water affecting water quality

way forward.

Listing in 'Danger list', will enable immediate
funding for conservation and also provide focus
on tangible development projects and gain
political consensus & ensure future conservation
process