

Great Barrier Reef Marine Park Authority

Building Great Barrier Reef ecosystem resilience



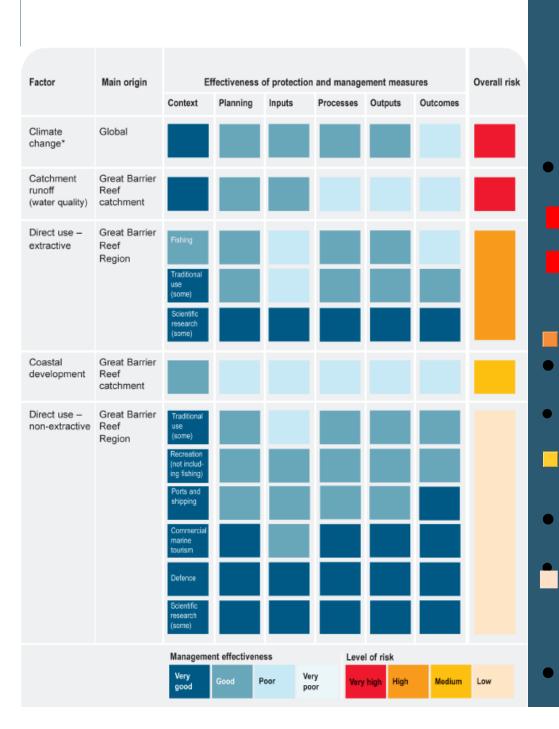


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GREAT BARRIER REEF OUTLOOK REPORT 2009





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Very high:
Climate change
Catchment runoff

High:

- Direct use-extractive
- Medium:Coastal development





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Impacts on environmental values the change, particularly rising sea temperatures and ocean acidification, has already affected the Great Barrier Reef ecosystem and over the next 50 years it is likely to significantly affect most components of the ecosystem."





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In Coastal Gevelopment is contributing to the vanodification and loss of coastal habitats that support the Great Barrier Reef."

 "As the coastal population continues to grow there will be increasing use of the Great Barrier Reef and therefore the potential for further damage"



Improving water qua Australian Government Marme ark Authority

 Maintain, enhance and protect aquatic ecosystems in the Marine Park



Good quality water vital





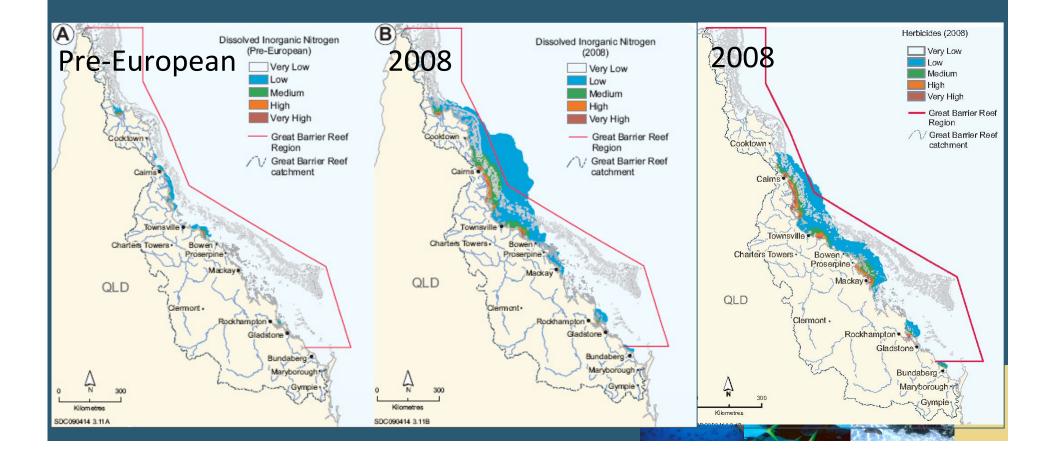


Catchment runoff



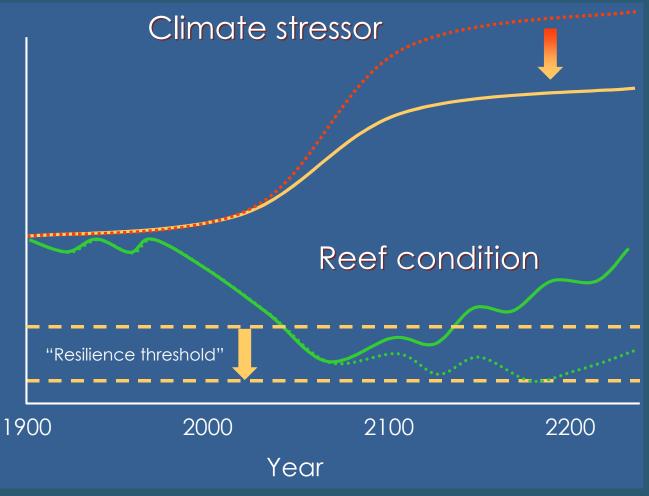
Australian Government

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Stressors

•Reduce rate and magnitude Ehange **Ging**

Increase resilience

- Refugia
- •Water quality
- •Biodiversity
- •Connectivity

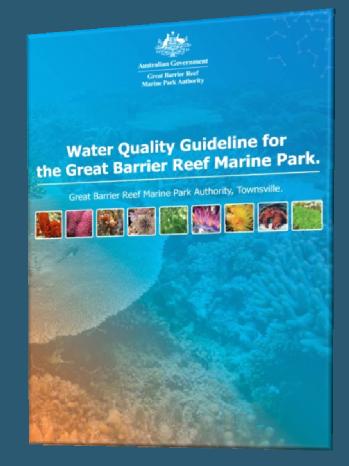


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<u>www.gbrmpa.gov.au</u>

Guidelines

- Diffuse land source
- Common pesticides
- Published biological effects
- Trigger values







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Our Future



reef guardian council



"Achieve better environmental outcomes for the Great Barrier Reef through local government actions in natural resource management and improvements in local government and community capacity"

Our Community

Our Reef





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Being a Reef Guardian

 "Achieve better environmental outcomes for the Great Barrier Reef through local government actions in natural resource management and improvements in local government and community capacity"





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Objectives Partnerships

- Environmental stewardship
- Best management practices
- Local Governments role
- Information sharing





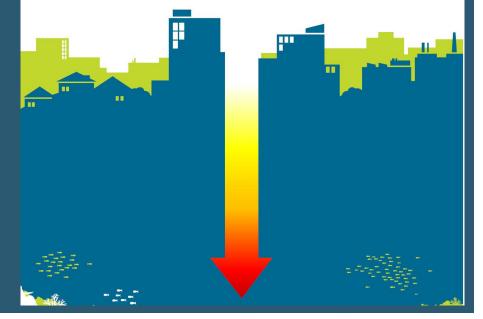
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Land, Water, Waste Community

Current best practice for Local Governments motivated towards Reef protection



1. LAND MANAGEMENT

Key project themes:

- Vegetation management projects
- · Pest management projects
- Resource assessment projects
- Erosion construction
- Erosion coastal.

2. WASTE MANAGEMENT

Key project themes:

- Waste avoidance
- Waste reuse
- Recycling programs
- Recovery of energy
- Disposal.

3. WATER MANAGEMENT

Key project themes:

- Wastewater and trade waste treatment projects
- Urban stormwater treatment projects
- Monitoring projects
- Waterways rehabilitation projects.

4 COMMUNITY EDUCATION AND CAPACITY BUILDING

Key project themes:

- Education, awareness raising and knowledge building
- Fostering behavioural change
- Community involvement
- Capacity building in the community.

Overall conclusion



Australian Government

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•"The outlook for the Great Barrier Reef ecosystem is at a crossroad, <u>and it is</u> <u>decisions made in the next few years that are</u> <u>likely to determine its long-term future</u>.

•Unavoidably, future predictions of climate change dominate most aspects of the Great Barrier Reef's outlook over the next few decades.

•The extent and persistence of the damage to the ecosystem will depend to a large degree