





Queensland 2024
STATE OF THE ENVIRONMENT REPORT

Educational Resource





Notes for presenters/teachers

The following slides have been designed to introduce the Queensland State of the Environment Report 2024.

The language on the slides has been chosen to be easily understandable and accurate.

There are activities included at the end that can be selected depending on your participants' needs/interests.

The Report website can be found here:
https://www.stateoftheenvironment.detsi.qld.gov.au/home

The slides are **interactive** and include **links directly to the report** so you may like to come back over a few sessions.

Learning Objectives

- Understand the purpose and content of the Queensland State of the Environment Report 2024 (QSoE 2024)
- Be able to navigate the QSoE 2024 website
- Be able to find information on the QSoE 2024 website

For teachers

- gather resources for contextualising learning
- upskill students' digital and data literacy skills in searching for information
- build community awareness of local issues

For students

- understand their local environment and management strategies
- access reliable and local data

Acknowledgement of Country

We acknowledge the First Nations peoples across Queensland. We pay our respects to elders, past and present.

We acknowledge the continuous living culture of First Nations Queenslanders—their diverse languages, customs and traditions, knowledge and systems. We acknowledge the deep relationship, connection and responsibility to land, water and sky Country as an integral element of First Nations identity and culture.



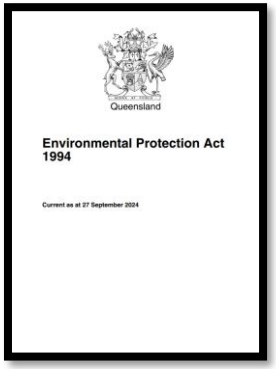
What is the State of the Environment Report?

- Not a paper report- the whole website is the report
- Shows how Queensland's environment is doing at a specific point in time
- QSoE 2024 looks at July 2020 - June 2024 and includes longer trends over time
- Pressure-State-Response approach
  - pressures (things that impact the environment)
  - state (how the environment looks right now)
  - response (what the Queensland Government is doing about it)



Why is it done?





- To check how our environment is doing and where we can improve
- Legislative requirement (must be done, by law)
  - *Environmental Protection Act 1994*
  - *Coastal Protection and Management Act 1995*

When is it done?

- At least every 4 years
- 2024 is the 9th report for Queensland
- 2024 is the 4th report published as a website



Who does it help?

- Not just a report, it's a resource
- Can help:
  - the community
  - industry
  - government
  - teachers and students
    - Sustainable schools
    - Cross-curriculum priority: Aboriginal and Torres Strait Islander Histories and Cultures
    - Cross-curriculum priority: Sustainability
    - STEM Hub
- Improve management and sustainable use of Queensland's nature



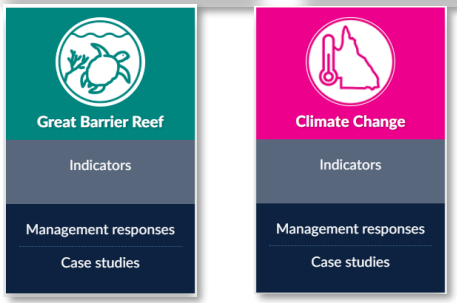
What information is in the report?

Themes

Sub themes



Cross cutting themes:



Biodiversity



The variety of life

The plants, animals, micro-organisms and different ecosystems found in Queensland

Healthy biodiversity is essential for life

- Terrestrial ecosystems → plants and other vegetation on land
- Riverine ecosystems → life in and around our rivers
- Marine ecosystems → life in and around the sea
- Wetlands → life in and around the lakes and swamps
- Species and habitat → the unique and valuable plants and animals in Queensland

Heritage



Queensland's rich Indigenous history and our five World Heritage properties contribute to our sense of place and reinforce our identity.

- distinct identities, histories, and cultural traditions that link people to place and enables connections to Country
- five World Heritage Areas, considered by UNESCO as amongst the most outstanding natural cultural heritage places on earth

Pollution

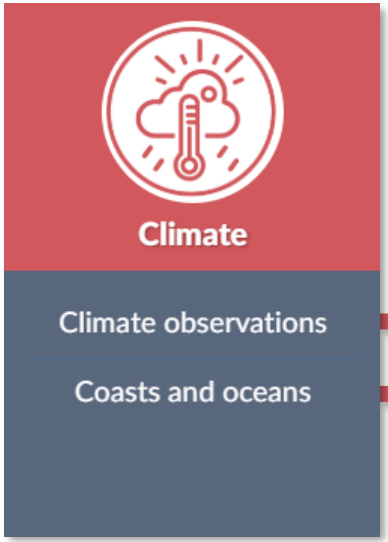


Pollution affects us all. There are economic, environmental and social costs associated with waste generation and disposal.

All forms of pollution can harm our native species and their habitats and impacts on the scenic amenity of Queensland's natural areas.

- how clean is the air around us
- what we throw away and what we recycle
- greenhouse gases are linked to climate change

Climate



Queensland's climate is influenced by seasonal variations, such as monsoon seasons and El Nino.

Climate is linked to the oceans- much of the weather experienced on land comes from the oceans.

long-term weather patterns and seasonal variations

conditions on the oceans and its influence on land

Liveability

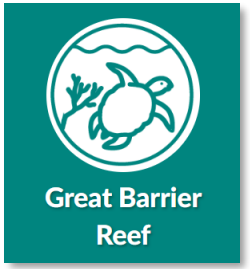


Rural settlements play a significant role in shaping environmental outcomes. While they support regional communities and industries, they also place pressure on natural systems.

Careful planning and management are needed to make sure rural areas remain liveable and prosperous while minimising their environmental impacts.

→ life in regional and agricultural Queensland

Cross-cutting themes



An overview about the health of the Reef

- 8 ‘state’ indicators (see slide 15)
- 9 ‘pressure indicators (see slide 15)
- 22 management responses (see slide 16)
- 3 case studies (see slide 17)



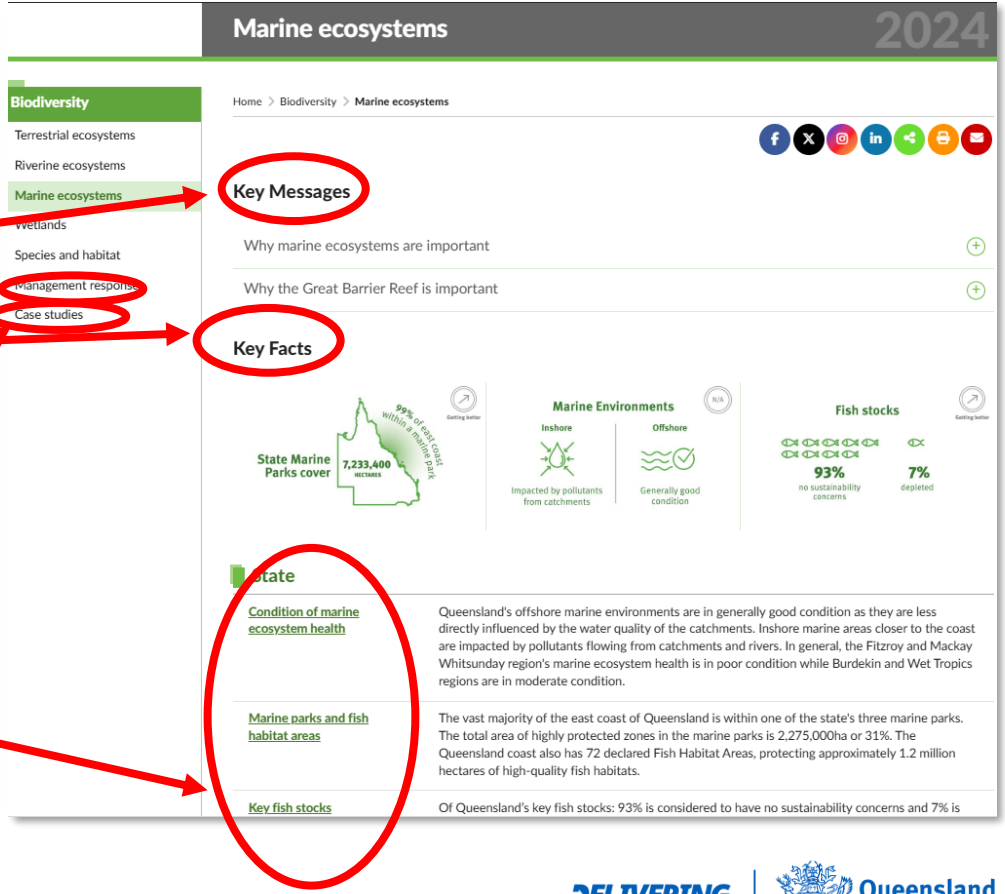
Provides information about the overall threat and impact climate change is having on Queensland's natural and built environment.

- 20 ‘state’ indicators (see slide 15)
- 19 ‘pressure indicators (see slide 15)
- 68 management responses (see slide 16)
- 9 case studies (see slide 17)

Sub themes

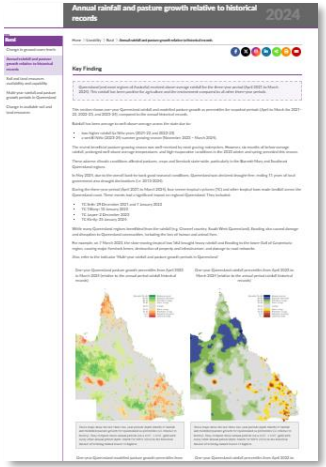
- Key Messages
- Key Facts as infographics
- Queensland Government Management Responses (2020-2024)
- Case studies
- Indicators

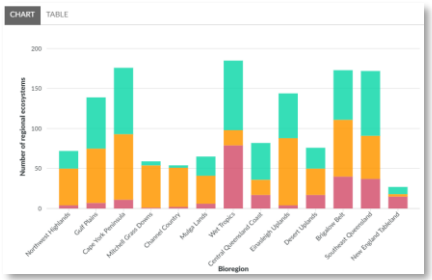
(things we report on)

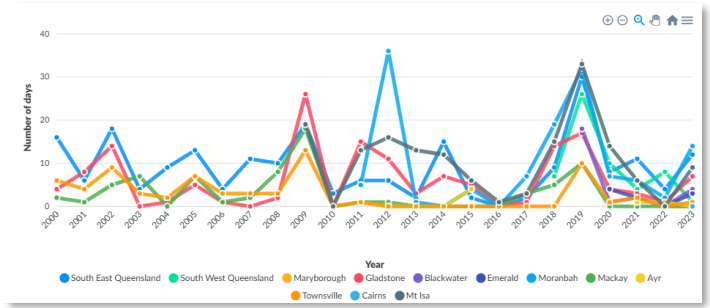


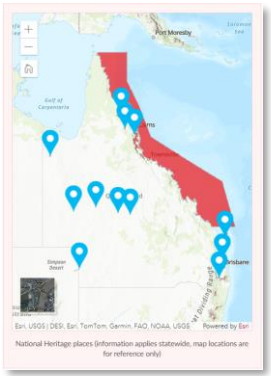
Indicators

- Things we report on
- Show what the situation is and how it is changing
- 124 indicators in the QSoE 2024 split into 'State' and 'Pressure'
- Some have been made into Key Facts / infographics
- Each indicator has its own page with information, maps, graphs and charts









Management Responses

Biodiversity, **Heritage**, **Pollution**, **Climate**, **Liveability**, **Great Barrier Reef**, **Climate Change**

- Actions that the Queensland Government has taken during the report period (July 2020-June 2024)



Protect

Actions that prevent harm to the environment.
Example: Creating national parks to stop habitat destruction.



Maintain

Actions that keep the environment in good condition.
Example: Regular monitoring of air quality.



Restore

Actions that fix damage to the environment.
Example: Bushfire recovery programs.

- Address current or future environmental problems, like pollution or climate change.
- A combination of management responses can create positive change and help the environment to recover or stay healthy.

Case Studies

Biodiversity, **Heritage**, **Pollution**, **Climate**, **Liveability**, **Great Barrier Reef**, **Climate Change**

- Look closely at a specific project or program that the Queensland Government is doing.

Example: Eco-Certification Tourism Destination Program



About: Provided funding to local governments and tourism organisations to help them provide world-class, eco friendly experiences, which operate sustainably, protect the environment and support local communities.

The issue: Growing tourism demand can harm the environment.
The goal: To deliver sustainable nature-based tourism experiences.

What they're doing: Long-term sustainable practices, reducing their carbon footprint, preserving local ecosystems, protecting cultural heritage, minimising environmental impact

Success: Queensland now has **nine** globally certified tourism destinations which enhance visitor experiences while protecting the environment and supporting local communities

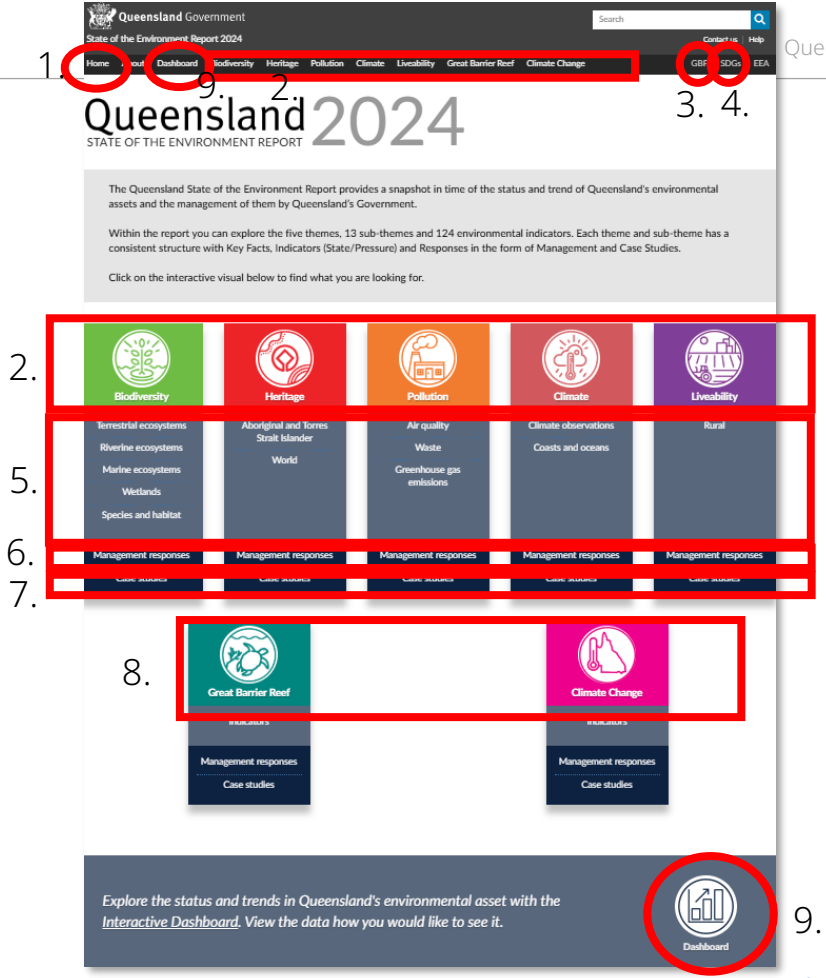
Link to the website

https://www.stateoftheenvironment.detsi.qld.gov.au/home



Useful Pages

1. About
2. Themes
3. GBF (Global Biodiversity Framework)
4. SDG (Sustainable Development Goals)
5. Sub-themes
6. Management Responses
7. Case Studies
8. Cross cutting themes
9. Interactive Dashboard



Activities (1)

What percentage of new locations recorded on the Aboriginal and Torres Strait Islander cultural heritage register featured artifact scatters?

- Go to the 'Heritage' theme
- Find this Key Fact infographic



Link to 'Heritage'

Activities (2)



Could a starfish really threaten the future of the Great Barrier Reef?

- Go to the 'Great Barrier Reef' cross-cutting theme
- Go to the Case Studies page and the "Crown-of-thorns Starfish" page

What does the COTS Control Program do?

How many hectares of coral reef habitats have been protected since 2012? How many jobs and training opportunities does the COTS Control Program provide for Traditional Owners?

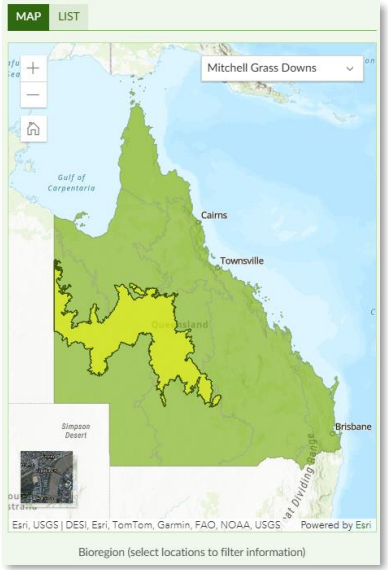
Link to 'Great Barrier Reef'

Activities (3)

What is a bioregion and why does it matter to the plants, animals and people living there?

- Go to the 'Biodiversity' theme
- Go to the 'Terrestrial ecosystems' sub-theme
- Go to the 'Extent and rate of change of remnant native vegetation' indicator

How many 'bioregions' does Queensland have?
Which bioregion do you live in?
What can you learn about that bioregion?



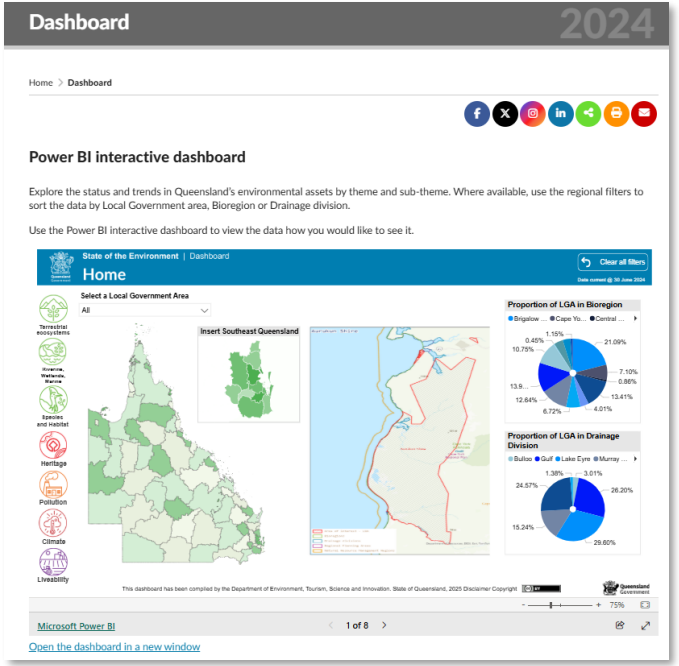
Link to 'Biodiversity'

Activities (4)

What makes your area unique, and how can you protect it for the future?

- Go to the 'Interactive Dashboard' page
- Explore the different pages of the interactive Power BI

- How does that area differ from other parts of Queensland?
- Imagine you are creating an eco-tour of your area, what would you showcase?



Link to Dashboard

Activities (5)

Link to Home Page

Which solution to protect the environment excites you the most? Dive in and explore more about it!

- Look at one of the Management Response pages:

Biodiversity, **Heritage**, **Pollution**, **Climate**, **Liveability**, **Great Barrier Reef**, **Climate Change**

Choose a Management Response that inspires you, how is it making a difference?

Many of the Management Responses have "More information" links.

What could you, your school, or your community do to play a part for Queensland's nature?

Activities (6)

Link to Home Page

Do you think there is anything missing from the Queensland State of the Environment 2024 website?

What would you like to see included in the future?

- You can share your ideas with the team by clicking on the yellow speech bubble icon on the right-hand side of each page.

(Remember, do not provide personal details!)

