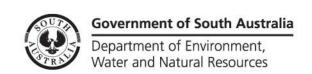
South Australian
Statewide Natural Resource
Report Cards

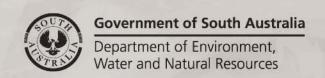




Report Card History

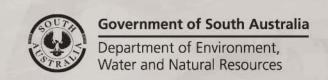
- 2012 State NRM Plan
 - 'Develop a reporting framework'
- 2014 report cards release
 - 56 state-wide based on NRM Plan targets
 - 242 regional scale
- 2015 review of reporting framework
- 2017 report card updates

https://data.environment.sa.gov.au/NRM-Report-Cards



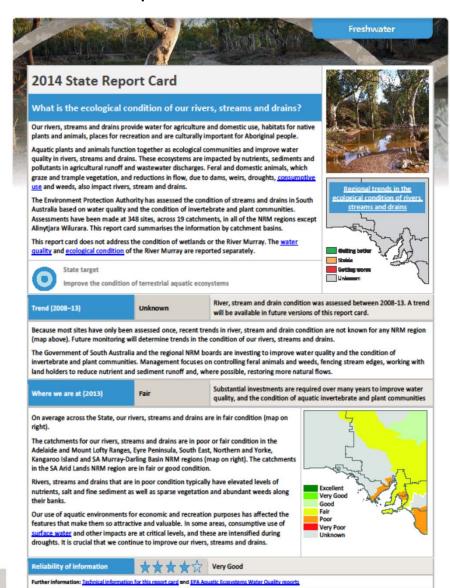
State-level report card

- Single A4 page
- Example:
 - What is the ecological condition of rivers and streams?
- Information on:
 - Current condition
 - Change over time (trend)
 - Reliability





Report Card



This report is a work in progress. As resource monitoring improves, so too will our ability to describe trends in condition. Licensed under <u>Creative Commons Attribution 3.0 Australia.</u> © Crown in right of the State of South Australia.



Technical information



Technical Information

What is the ecological condition of creeks, streams and drains?

This document describes the sources of information, advice, methods, indicators and data processing procedures used to develop the reports. Reliability of data, as well as metadata attributes, are also described.



State NRM Plan Guiding Target:

Improve the condition of terrestrial aquatic ecosystems.

State NRM Plan Representative Measure:

Trends in the condition of rivers, streams, wetlands and drains.

Data collection period:

2008 - 13.

Expected frequency of reporting:

Annual. Repeat assessments of individual sites may occur each 5 years in the future.

Data sources:

Condition of streams, creeks and drains - EPA (South Australia).

ndicators used:

Condition of creeks, streams and drains, based on macroinvertebrates, plants and water quality.

Methods of data collection and processing:

Between 2008 and 2013, 403 sites in creeks, streams and drains were sampled for macroinvertebrates, water quality and plants. Data is collected at each site and it is used to support independent assessments of each site by an expert panel. Assessments are made to classify each sampling site into one of the six categories summarised below and on the <u>EPA website</u>. Site assessment scores were averaged within each basin. Each basin score was weighted by basin area and then averaged within each NRM region. The NRM region scores were averaged to provide a state condition score.

Note: 17 sites were visited twice between 2008 and 2013, for which the most recent data was used in the data summary. There were insufficient sites with repeat assessments to determine trends in ecological condition of creeks, streams and drains at the state or regional scale.

Details of location and specific scores received for individual streams and drains can be obtained from the <u>EPA website</u> under 'Creeks and Rivers'.

Categories for stream and drain condition include:

Excellent: Natural or unaffected by human activity, with extensive areas of remnant native vegetation in the catchment area. It is possible some creeks and lakes in remote areas of the State may be given an Excellent rating, however the vast majority are likely to be affected by humans in some way.

Very Good: Minimal changes in biological condition and the way the ecosystem functions as a result of human settlement. These sites continue to provide a healthy environment for a natural diversity of animal and plant life.

Good: Often the best we can expect given significant changes to the natural landscape after more than 170 years of European settlement. Although changes to the environment and its animal and plant life are likely to be relatively minor, there will be clear, emerging signs of human impact, which could lead to further decline.

Licensed under Creative Commons Attribution 3.0 Australia. © Crown in right of the State of South Australia.

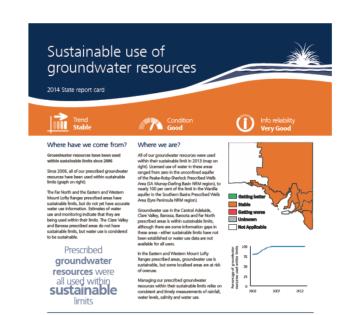






Future

- Overhaul
 - Aesthetics
 - Targets (changing NRM plan)
- Open
 - Data
 - code
- Environmental-economic accounts



As the largest freshwater resource in South Australia, groundwater is vital for our agricultural, mining and manufacturing industries. Groundwater provides us with town water supplies and

















Government of South Australia

