Legend

Status

N/A **Not Applicable**
The indicator assessment is based on future projections or the change in environmental condition and providing a status assessment is not applicable. Only a trend assessment is provided.

Unknown
Data is insufficient to make an assessment of status and trends.

Poor
Environmental condition is under significant stress, OR pressure is likely to have significant impact on environmental condition/ human health, OR inadequate protection of natural ecosystems and biodiversity is evident.

Fair
Environmental condition is neither positive or negative and may be variable across Victoria, OR pressure is likely to have limited impact on environmental condition/human health, OR moderate protection of natural ecosystems and biodiversity is evident.

Good
Environmental condition is healthy across Victoria, OR pressure is likely to have negligible impact on environmental condition/ human health, OR comprehensive protection of natural ecosystems and biodiversity is evident.

Trend

N/A **Not applicable**
This indicator assessment is based on current environmental condition only and it is not applicable to provide a trend assessment. Only a status assessment is provided.

? Unclear

Deteriorating

Stable

Improving

Data quality

Poor
Evidence and consensus too low to make an assessment

Fair
Limited evidence or limited consensus

Good
Adequate high-quality evidence and high level of consensus

*While this indicator summary report card is specific to this chapter of the SoE 2018 Report, a full indicator report card across all report themes is available for free download.

SUMMARY REPORT Part I SoE 2018 Report Card

Indicator

L:01 Land use types in Victoria

Region

Victoria

Measures

Percentage of Victoria's area classified by each type of land use class

Data custodian

AV, DELWP

Slightly more than half of Victoria's land is used for primary production. The overall mix of land use across Victoria is viewed as having a limited and variable impact on environmental health across Victoria.

*For trend refer to L:02 and text explanation

N/A

DATA QUALITY

Good

Indicator

L:02 Changes in major land uses in Victoria

Region

Victoria

Measures

Changes in Victoria's land use over time

Data custodian

AV, DELWP

There were no significant shifts in Victorian land use from 2012-17.

*For status refer to L:01 and text explanation

N/A

DATA QUALITY

Good

Indicator

L:03 Changes in land tenure

Region

Victoria

Measures

Percentage of Victoria's area classified as public or private land

Data custodian

AV, DELWP

There were no significant shifts in Victorian land tenure from 2012-17.

DATA QUALITY

Good

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Indicator

L:04 Greenfield versus infill development

Region

Victoria

Measures

(i) Housing development and greenfield development in Melbourne

(ii) Population change in growth LGAs

(iii) Urban area of Melbourne

Data custodian

DELWP

Melbourne's population is growing more than twice as quickly in growth areas on the urban fringes than it is in established areas.

DATA QUALITY

Good

Indicator

L:05 Soil carbon content

Region

Victoria

Measures

Victorian Soil Total Organic Carbon at various depths

Data custodian

AV

There is an extremely wide range of soil organic carbon stocks across Victorian cropping and pasture soils, with most of the variation attributable to climate.

DATA QUALITY

Fair (detailed baseline data for all private land except the north east of Victoria – however unable to assess changes in soil carbon and statewide raster (grid) data)

Indicator

L:06 Area affected by salinity

Region

Victoria

Measures

Percentage of Victoria's area classified as public or private land

Data custodian

AV, DELWP

Fewer bores are being found with an increasing salinity threat in the catchments that drain to the Murray River.

Improving for the river catchments that drain to the Murray River and Unclear elsewhere

DATA QUALITY

Fair (for the river catchments that drain to the Murray River and Poor elsewhere (monitoring has largely ceased beyond the river catchments that drain to the Murray River))

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Indicator

L:07 Soil acidification

Region

Victoria

Measures

Victorian soil pH
(CaCl^2) at various
depths

Data custodian

AV

Soil acidity and acidification is an issue for the
high rainfall agriculture regions in the south
west and east of Victoria.

DATA QUALITY

Fair (there is baseline statewide
soil pH data but no suitable
data to assess the pH change
(acidification))

Indicator

L:08 Soil erosion

Region

Victoria

Measures

Dryland area with
30-100% bare soils

Data custodian

AV

Victoria's dryland area at risk of erosion has
steadily increased to 37% in 2016 from a low of
13% in 2011.

DATA QUALITY

Poor (only case study data and no
current statewide information)

Indicator

L:09 Contaminated
sites

Region

Victoria

Measures

(i) Number of
environmental audits
completed in Victoria

(ii) Number of sites
on EPA's Priority Sites
Register

Data custodian

EPA Victoria, DELWP

More than 600 contaminated sites have been
improved between 2013-17 to be suitable for
more sensitive land use. However, it is unclear
how many sites have become contaminated
during that time.

DATA QUALITY

Fair (the current knowledge
only pertains to a subset of
contaminated sites, databases
and regions)

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Indicator

L:10 Land management activities

Region

Victoria

Measures

The area of land managed for conservation

Data custodian

CMAs

The six CMAs reporting on the area of land managed for conservation reported a slight increase in the hectares of land covered by Trust for Nature covenants in 2016-17.

DATA QUALITY

Fair (Corangamite, Glenelg Hopkins, North Central, North East, West Gippsland and Wimmera CMAs)

Poor (no data available for Port Phillip & Westernport, East Gippsland, Mallee, Goulbourn Broken CMAs)

Indicator

L:11 Participation in natural resource management activities

Region

Victoria

Measures

(i) Number of volunteers

(ii) Amount of volunteer hours

(iii) Community co-contribution in economic terms

Data custodian

CMAs, Landcare, PV

Parks Victoria's volunteer network has provided over $10 million of in-kind support in 2017-18, the highest ever recorded for Parks Victoria. Participation at CMA natural resource management engagement events has increased each year since data was first reported in 2013-14.

DATA QUALITY

Good

Indicator

L:12 Use of best practice on agricultural lands

Region

Victoria

Measures

Area of land with improved agricultural practices in Victoria

Data custodian

CMAs

Data is showing an increasing amount of land being used with improved agricultural practices. However, there is no statewide data on the total area of land with suitable agricultural practices.

DATA QUALITY

Poor (no statewide comprehensive data; data isn't granular)

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Indicator

L:13 Proportion of agricultural area under productive and sustainable agriculture

Region

Victoria

Measures

Proportion of agricultural area under productive and sustainable agriculture

Data custodian

AV, CMAs

Evidence of improved management practices on more than 120,000 hectares of land used for stock and more than 50,000 hectares of land used for crops has been recorded from 2013-14 to 2015-16. There is no statewide data on sustainable agriculture.

DATA QUALITY

Poor (limited examples from two CMAs)

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