

SUMMARY REPORT Part I SoE 2018 Report Card

Legend

Status

<p>N/A Not Applicable</p> <p>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.</p>	<p> Unknown</p> <p>Data is insufficient to make an assessment of status and trends.</p>	<p> Poor</p> <p>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.</p>	<p> Fair</p> <p>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.</p>	<p> Good</p> <p>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.</p>
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Trend

<p>N/A Not applicable</p> <p>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.</p>	<p> Unclear</p>	<p> Deteriorating</p>	<p> Stable</p>	<p> Improving</p>
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Data quality

<p></p> <p>Poor</p> <p>Evidence and consensus too low to make an assessment</p>	<p></p> <p>Fair</p> <p>Limited evidence or limited consensus</p>	<p></p> <p>Good</p> <p>Adequate high-quality evidence and high level of consensus</p>
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WATER QUALITY

Indicator	Summary	Status				Trend
		UNKNOWN	POOR	FAIR	GOOD	
<p>WQ:01 Occurrence of algal blooms</p> <p>Region Victoria</p> <p>Measures Number of algal blooms (trigger level for reporting is when cyanobacteria in any water body exceed 0.2 mm³/L)</p> <p>Data custodian DELWP</p>	<p>More than 100 algal blooms were reported in Victorian water bodies during 2017-18 and these blooms occurred throughout all Victorian regions. No data is available to report on trends in algal bloom occurrence.</p>					
						
		<p>DATA QUALITY</p> <p>Fair (due to the absence of suitable trend data)</p>				

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Indicator

WQ:02 Dissolved oxygen concentration in rivers

Dissolved oxygen in Victorian rivers and streams for 2010-17 was rated as excellent in the east and central regions of the state, and good in the western Catchment Management Authority regions.

Region

Victoria

Measures

% of sites that attained SEPP (WoV) water quality objectives

Data custodian

DELWP, Melbourne Water



DATA QUALITY

Good

Indicator

WQ:03 Salinity concentrations in rivers

Salinity in Victorian rivers and streams for 2010-17 was rated as good or excellent in seven catchments, fair in a further two and poor in Glenelg Hopkins.

Region

Victoria

Measures

% of sites that attained SEPP (WoV) water quality objectives

Data custodian

DELWP, Melbourne Water



Poor in the Glenelg Hopkins catchment, Fair in the Wimmera and Port Phillip and Westernport catchments, Good in the other catchments



DATA QUALITY

Good

Indicator

WQ:04 Total nitrogen concentration in rivers

There was a gradient for total nitrogen (2010-17) from excellent water quality in the east deteriorating to poor and very poor water quality in Victoria's west and the urbanised catchment of the Port Phillip and Western Port.

Region

Victoria

Measures

% of sites that attained SEPP (WoV) water quality objectives

Data custodian

DELWP, Melbourne Water



Good in the North East and East Gippsland catchments, Fair in the Goulburn Broken and West Gippsland catchments, and Poor in other catchments. Unknown in the Mallee catchment.



DATA QUALITY

Good

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Indicator

WQ:05 Total phosphorus concentrations in rivers

Region

Victoria

Measures

% of sites that attained SEPP (WoV) water quality objectives

Data custodian

DELWP, Melbourne Water

There was a gradient for total phosphorus (2010-17) from excellent water quality in the far east of Victoria to very poor water quality in the west of the state



Good in the East Gippsland catchment, Fair in the North East and West Gippsland catchments, and Poor in other catchments. Unknown in the Mallee catchment.



DATA QUALITY

Good

Indicator

WQ:06 Turbidity levels in rivers

Region

Victoria

Measures

% of sites that attained SEPP (WoV) water quality objectives

Data custodian

DELWP, Melbourne Water

Turbidity in Victorian rivers and streams from 2010-17 was rated as moderate to very poor. The Mallee and Wimmera catchments were both ranked as very poor. Turbidity has increased in recent times compared to historical data.



Fair in the East Gippsland, North East and Glenelg Hopkins catchments, and Poor in other catchments.



DATA QUALITY

Good

Indicator

WQ:07 pH

Region

Victoria

Measures

% of sites that attained SEPP (WoV) water quality objectives

Data custodian

DELWP, Melbourne Water

Water quality with respect to pH in Victorian rivers and streams for 2010-17 was rated as excellent across all catchment regions and river basins.



DATA QUALITY

Good

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Indicator

WQ:08 Proportion of bodies of water with good ambient water quality

Region

Victoria

Measures

% of river basins rated as having good or better water quality (as per the water quality component of the Index of Stream Condition calculations)

Data custodian

DELWP, Melbourne Water

The current assessment suggests that water quality is generally better in the east of the state than in the central and western regions. 26% of all sites rated as having good or better water quality for 2010-17, a reduction from 37% of sites for 2004-09.



DATA QUALITY

Good

Indicator

WQ:09 Volume of sewage discharge to surface waters

Region

Victoria

Measures

Volumes of discharged pollutants

Data custodian

EPA Victoria

Data on water pollutants that are discharged from EPA Victoria's licensed sites was unavailable at a statewide level. Therefore, the status and trend assessments for this indicator have been provided as unknown and unclear respectively.



DATA QUALITY

Poor (No data available to make an assessment)

Indicator

WQ:10 Reported inland water pollution incidents

Region

Victoria

Measures

Number of pollution reports

Data custodian

EPA Victoria

The number of water pollution reports received by EPA Victoria was stable from 2013-15 and then increased in 2016. From 2013-17 there was a 37% increase in water pollution reports.



DATA QUALITY

Fair (Data provided not linked to water bodies)

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