

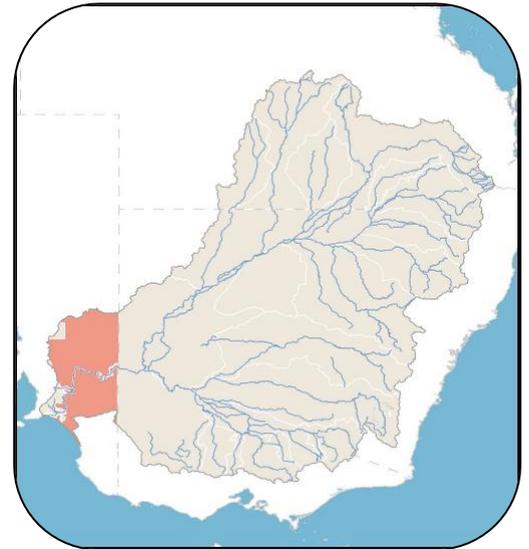
# SA Non-Prescribed Areas (SS10)

## INITIAL SDL ASSESSMENT RESULT

The Authority is **confident** that the SDL continues to reflect an environmentally sustainable level of take and **proposes the SDL is maintained.**

It is recognised that the extent, nature of and planning for continued monitoring, evaluation and assessment is tailored by the South Australian government for the management of local and site-specific areas of concern to maintain environmental outcomes.

It is important that the impacts of a changing climate continue to be actively considered for this Unit.



**Figure 1:** SA Non-Prescribed Areas (SS10) SDL Resource Unit

The Authority has assessed whether the Sustainable Diversion Limit (SDL) for the SA Non-Prescribed Areas SDL Resource Unit (the **Unit**) continues to support environmental outcomes and reflect an environmentally sustainable level of take (ESLT).

This Assessment Summary provides an overview of the factors which are relevant to that work and the Authority's initial view. This Unit has minimal diversions, and the flow regime is relatively intact. Therefore, the lite assessment approach has been applied. The approach uses a subset of the Multiple Lines of Evidence information base to inform the initial assessment.

Information on the Lines of Enquiry and methodology used in this assessment available in the *Summary of Assessment Approach* and the *SDL Assessment and Response Framework*. Information on the *Basin Plan Review Discussion Paper* and process for making a submission are available on the MDBA website.

## About this Unit (as at June 2024)

<b>Ramsar sites</b>	None
<b>Contribution to Basin Water</b>	Not applicable
<b>Key waterways</b>	Burra Creek, Manunda Creek, Yunta Creek, Wiawera Creek, Olary Creek
<b>Water storages</b>	None
<b>Significant groundwater connections</b>	Not applicable

The [Water Resource Plan \(WRP\)](#) that supports this Unit commenced on 22 August 2019. The WRP includes the rules and arrangements that South Australia are using to manage this Unit and maintain sustainability. Further information on water recovery for this SDL Resource Unit is available at the Department of Climate Change, Energy, the Environment and Water's [surface water recovery factsheet](#).

## Current Condition

Figure 2 below summarises the observed environmental condition in the Unit (as at June 2024).

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As can be seen, the Authority assessed that Flows and connectivity and Ecosystem functions themes were in moderate condition but that confidence in the evidence base was low. No rating could be determined for Waterbirds, Native fish, Native vegetation or Other species because of a lack of data.

Theme	Flows and connectivity	Ecosystem functions	Waterbirds	Native fish	Native vegetation	Other species
Grade			Not assessed	Not assessed	Not assessed	Not assessed
Confidence	● ○ ○	● ○ ○				

**Figure 2.** Environmental condition assessment in the Unit. Across each theme environmental condition is graded as *Very Poor*, *Poor*, *Moderate*, *Good*, *Very Good* or *Not Assessed* (as indicated by segments) and confidence in this grading is assessed as *Low*, *Medium*, *High* or *Data Deficient* (as indicated by dots). The *Not Assessed* grading applies where there are no ecological objectives and no relevant data. The *Data Deficient* grading relies heavily on expert elicitation to address data paucity. Other species refers to animals including frogs, platypuses and turtles.

## Environmental outcomes under a fully implemented Basin Plan

No water recovery was required and the Basin Plan is considered fully implemented in this Unit. The flow regime remains relatively intact and will support the needs of those water-dependent ecosystems.

## Environmental outcomes under a climate impacted future

For a description of anticipated climate impacts across the Basin see the *Surface Water Assessment Approach* published on the MDBA website.

## Initial Assessment

As noted, the current assessment reflects that flow regime requirements for the six themes are currently supported by the SDLs.

The Authority is **confident** that the SDL reflects an environmentally sustainable level of take and is supporting the Basin Plan’s environmental outcomes under full implementation conditions with none of the themes having been identified as at risk.

It is also the case that the Basin Plan settings in connection with monitoring, evaluation and assessment activities warrant review as they apply to this Unit. Other relevant factors include planning by the South Australian government for the management of local and site-specific areas of concern to maintain environmental outcomes.

## Consideration of Response

It is recognised that ongoing monitoring, evaluation and assessment will be important, as will planning for and supporting delivery of environmental watering events to maintain environmental outcomes.

Whilst this assessment has not identified any at risk themes, the Discussion Paper engages with well-known challenges at a sub-Basin and Basin scale including river connectivity and the connection between rivers and their floodplains, water delivery challenges and physical constraints, native fish decline and the impacts of invasive species. The risks of a changing climate continue to be actively considered in the Basin.

## Evidence

In addition to the standard evidence sources presented in the *Summary of Assessment Approach* the following specific evidence sources were used for this Unit:

- [SA Murray Region LTWP 2025](#)
- [Burra Creek, near Worlds End 2010 Aquatic Ecosystem Condition Report | EPA](#)
- [BP-Evaluation Matter 8 Technical Report SA Murray Region 2024](#)
- [SA Non-prescribed areas | Current and historical river flow, levels, water quality, and groundwater bores](#)
- [Long term watering plan SA Murray region](#)