

Report card for the Mandagery Creek Water Source

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Water source context

Water Sharing Plan:	Lachlan Unregulated River Water Sources 2025
Area:	2,051 km ²
Inflowing water source:	Nil
Receiving water source:	Regulated Lachlan River

River flows

Flow records:	1938 – Present (86 Years) at Mandagery Creek upstream Eugowra gauge (412030)
Stream type:	Non-perennial

Basic landholder rights

Domestic and stock rights estimate:	493 ML/year
Native title rights estimate:	Nil at commencement of plan

Licensed water entitlements

Total surface water entitlement:	8,136 ML/year (116 licences)
Unregulated River:	8,054 ML/year (98 licences)
Domestic and Stock:	82 ML/year (18 licences)

Table 1. Access rules for management zones

Management Zone	Type	Current rules	Proposed rules
Lower Mandagery Creek Management Zone	Cease to take	Take is not permitted when there is no visible flow at the pump site.	Take is not permitted when flows are less than or equal to 2 ML/day at Mandagery Creek upstream Eugowra gauge (412030), or when there is no visible flow at the pump site.

Management Zone	Type	Current rules	Proposed rules
All other management zones (NB. Other existing management zones will be combined and managed as a single zone)	Cease to take	Take is not permitted when there is no visible flow at the pump site.	No change

Table 2. Access rules for whole water source

Type	Current rules	Proposed rules
Take from in-river pools	Take is not permitted when the in-river pool is below full capacity.	Comply with the gauge-based access rule where there is one AND Take is not permitted when the in-river pool is less than full capacity.
Take from in-river dam pools	Take is not permitted unless it is consistent with the water supply work approval.	No change
Take from off-river pools	Take is not permitted when the off-river pool is below full capacity.	No change
Exemptions	Some exemptions apply to specific access rules for the water source, including for: • health and hygiene • domestic use • take from a run-off harvesting dam • specific licences listed in Schedule 2 of the plan.	No change

Table 3. Rules for constructing surface water supply works

Type	Current rules	Proposed rules
In-river dams	Not permitted in third or higher order streams in this water source.	An exemption for applications for town water supply purposes has been included.

Type	Current rules	Proposed rules
Protection for wetlands	N/A	No new or amended works permitted within or 3km upstream of a Ramsar wetland. No new or amended works permitted within wetlands indicated on the WSP Prescribed Wetlands Map unless there will be no more than minimal harm to the wetland concerned. This rule does not apply to replacement works.

Table 4. Water trading (dealing) rules

Type	Current rules	Proposed rules
INTO water source	Not permitted	No change
WITHIN water source	Permitted, except into Mandagery Creek Trading Zone	No change
Protection for wetlands	N/A	Not permitted into or within 3 km upstream of a Ramsar wetland. Not permitted into WSP prescribed wetlands indicated the WSP Prescribed Wetlands Map. Trade between licences within the same WSP Prescribed Wetland is permitted.

Trading covers:

- assignment of rights dealings (trading of a licence)
- share component dealings between water sources (trading of entitlement between water sources)
- water allocation dealings (trading an annual allocation)
- water supply works dealings (relocation of an extraction point).

Key factors for decisions

The risk assessment indicates that the water source has high in-stream value. The identified possible risk from extraction is low for zero flow periods and high for base-flow and low flows.

- The gauging infrastructure at the flow reference points within the *Water Sharing Plan for the Lachlan Unregulated River Water Sources 2012* (the 2012 plan) and previously the *Water Sharing Plan for the Mandagery Creek Water Source 2003* have not been implemented. There is one appropriate gauge available within the water source which has been made the flow reference point for the Lower Mandagery

Creek Management Zone within the draft Water Sharing Plan for the Lachlan Unregulated River Water Sources 2025 (the draft plan).

- All existing management zones except Lower Mandagery Creek Management Zone will be merged and managed as a single management zone and the plan map updated accordingly.
- The high instream values of the Lower Mandagery Creek Management Zone are located below the gauge. The additional water from an increase in cease-to-take level aims to help mitigate the threat to these instream values.
- Most extraction in the Lower Mandagery Creek Management Zone is located downstream of the gauge. The increase in cease-to-take from no visible flow to 2ML/day at the Eugowra gauge aims to mitigate the risk associated to the instream values.
- An amendment provision in the draft plan allows for additional assessment of the cease-to-take limit in the Lower Mandagery Creek Management Zone, to be implemented in year 6. It also allows for assessment on how the initial cease-to-take limit (years 1 to 5) is operating.

Improving protection of wetlands

- The Natural Resources Commission (NRC) have recommended the replacement plan provide better protection for important wetlands. The department has developed criteria to identify specific wetlands in the water sharing plan area. It is proposed to include rules to improve their protection by prohibiting new water supply works and restricting trades into or upstream of these areas. The prohibition on new works will not apply to replacement works.
- Wetlands identified for improved protection were drawn from multiple datasets including the Long-Term Water Plan, Floodplain Management Plan, Ramsar listing, Directory of Important Wetlands of Australia, Endangered Ecological Communities and any existing list in the current 2012 water sharing plan.
- A map of the WSP Prescribed Wetlands identified for this draft plan is available on the department's website.
- More information on improving the protection of wetlands is available in a fact sheet.

Other key rules – no change proposed

Managing access licences

Each water access licence has its own share component (volume of the licence) and a water allocation account that acts like a bank account where water is credited or debited.

- Water is credited to an account by an available water determination or if water is traded in (purchased) during the year from other licence holders.
- Water is debited from the account when water is extracted from a water source or traded out (sold). Total extraction from a work (pump, bore, etc.) will be measured through metering or logbooks.

Carryover and individual account limits

Unregulated river access licences

For unregulated river access licence accounts, carryover of water remaining in an account is permitted up to 1 ML per unit share or 100 % of share component (where expressed in ML) at the end of each water year.

The maximum water account debit in any 3 consecutive water years is:

- the volume of water allocated to the account over those 3 years from available water determinations, plus
- any adjustments made for allocation assignments (trades) or water allocation re-credited into the account.

Domestic and stock and Local Water Utility licences

For domestic and stock and local water utility access licence accounts, carryover of water remaining in an account is not permitted.

The maximum water account debit in a given water year is:

- the volume of water allocated to the account that year from available water determinations, plus
- any adjustments made for allocation assignments (trades) or water allocation re-credited into the account.

Rules for granting access licences

There are limited purposes for which a new licence will be granted. We anticipate that users who need more water will source it from the market. One reason a licence may be granted is for Aboriginal cultural purposes. Aboriginal Cultural Access Licences are permitted to be granted up to a maximum volume of 10 ML/year per licence, subject to assessment.

Other reasons are identified in Section 10 of the Water Management (General) Regulation 2018.

Public exhibition

The department seeks feedback from the public on the suitability of the proposed rules for this water source.

In particular, we seek your feedback on the proposed rules:

- **proposed rules to protect WSP prescribed wetlands including prohibiting new water supply works and trades within or near WSP prescribed wetlands**
- **new flow reference point and cease to take trigger in Lower Mandagery Creek Management Zone**
- **amendment provision on the access rules for Lower Mandagery Creek Management Zone.**

A submission form is available on the department's website.

To read the draft Water Sharing Plan for the Lachlan Unregulated River Water Sources 2025 and supporting fact sheets, please visit the department's [Public Exhibition website](#).