

Report card for the Jenolan River Water Source

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Water source context

Water Sharing Plan:	Greater Metropolitan Region Unregulated River Water Sources
Extraction Management Unit:	Upper Nepean and Upstream
Area:	40,295.7 ha
Inflowing water source:	Dharabuladh River Water Source
Receiving water source:	Kowmung River Water Source

River flows

Low-flow index:	55.2 ML/day (80 th percentile flow)
Flow records:	Cox's River at Kelpie Point gauge (212250)

Basic landholder rights

Domestic and stock rights estimate:	32.9 ML/yr
Native title rights:	0 ML/yr

Licensed water entitlements

Total surface water entitlement:	584 ML/yr (70 ML/yr domestic and stock licences, 514 ML/yr unregulated river licences)
Local water utilities entitlement:	0 ML/yr
Major utilities entitlement:	0 ML/yr
Proportion of extraction management unit:	1%

Rules

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 or traded out (sold). Total extraction from a work (pump, bore, etc.) will be measured via metering or logbooks.

Carryover and individual account limits

For a major water utility access licence account – carryover is not permitted.

Domestic and stock and unregulated river access licence accounts - carryover 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.

Domestic and stock and unregulated river access licences - 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.

Table 1. Draft rules for granting access licences

Type	Current rules	Proposed rules
<p>There are limited purposes for which a new licence will be granted. It is anticipated that most water needs will be sourced from the market. One reason a licence may be granted is for Aboriginal cultural purposes. Other reasons are identified in Clause 10 of the Water Management Act General Regulation 2018.</p>		
Aboriginal cultural access licence	Permitted to a limit of 40 ML/yr.	No change.
Aboriginal community development access licence	Permitted to a limit of 40 ML/yr.	No change.

Table 2. Draft surface water access rules

Type	Current rules	Proposed rules
<p>River flow can be viewed on WaterNSW Real-time Data website. Search for a gauge under Rivers and Streams.</p>		
Cease to pump	Cease to pump when no visible flow at the pump site.	<p>Cease to pump when no visible flow at the pump site.</p> <p>Cease to pump when river flows are in the very low flow class</p>

Type	Current rules	Proposed rules
Flow classes	None established.	Very Low Flow: ≤6 ML/day A class: >6 ML/day
Extraction from an in-river pool	Must cease pumping if the in-river pool is below full capacity.	No change.
Extraction from an authorised in-river dam pool	Rules specified on the water supply work approval for the in-river dam.	No change
Off-river pools (natural pools, lakes or lagoons)	Extraction from natural pools can only occur if the pool is 100% full.	No change.

Table 3. Exemptions from surface water access rules

Type	Current rules	Proposed rules
Health and hygiene	For an access licence specified in Schedule 2 of the plan, no more than 20 kl/day for the following reasons: <ul style="list-style-type: none"> • fruit washing • cleaning of dairy plant and equipment for the purposes of hygiene • poultry watering and misting • cleaning of enclosures used for intensive animal production for the purposes of hygiene. 	Exemption now applies to both fruit and vegetable washing.
Domestic use	For domestic consumption under a domestic and stock access licence, up to 1 kl/day.	No change.
Harvestable rights	From a run-off harvesting dam.	No change.
Specific purpose	For an access licence specified in Schedule 2 of the plan.	No change.

Table 4. Draft rules for constructing surface water supply works

Type	Current rules	Proposed rules
In-river dams	Permitted.	No change.
Works near coastal wetlands listed under the <i>State Environmental Planning Policy (Resilience and Hazards) 2021</i>	No rule in current plan.	Prohibited within 3km upstream of a Ramsar wetland or 200m of a coastal wetland identified on the Coastal Wetlands and Littoral Rainforest Area Map available on the NSW Planning Portal at www.planningportal.nsw.gov.au

Table 5. Draft water trading (dealing) rules

Type	Current rules	Proposed rules
<p>Trading covers conversion of access licence to a new category (for example from unregulated river to aquifer), 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) and water supply works dealings (relocation of an extraction point).</p>		
INTO water source	Permitted with no net gain.	Permitted below the confluence of the Jenolan River and Pheasants Nest Creek
WITHIN water source	Permitted except to the Jenolan River at and above the confluence with Pheasants Nest Creek	No change.
Surface water to groundwater	prohibited.	No change.
Groundwater to surface water	Prohibited.	No change.
Convert to high flow	Prohibited.	No change.

Key factors for decisions

- Jenolan River Water Source has medium ecological values, and a low likelihood that extraction of water will impact on low flows with an overall low risk to low flows.
- A gauge has been identified in this water source allowing flow classes to be established. A very low flow class of ≤ 6 ML/day (98th percentile) at Cox’s River at Kelpie Point (212250) is proposed. Unregulated river licence holders will be able to pump when flows are above the very low flow class, approximately 98% of the time.

- Risk has reduced in the Jenolan River Water Source and more broadly across the entire Upper Nepean and Upstream Warragamba Extraction Management Unit. This reduction in risk justifies freeing up trade.
- This water source is part of the drainage catchment for Warragamba Dam. Water sources outside this drainage catchment (Maldon's Weir, Maguires Crossing, Stonequarry Creek and Upper Nepean water sources) cannot trade into it. This will maintain the current level of entitlement within the drainage catchment and protect inflows to Warragamba Dam.

Public exhibition

The Department of Planning and Environment seeks feedback from the public on the suitability of the proposed rules for this water source.

The draft Greater Metropolitan Region Unregulated River Water Sharing Plan and supporting fact sheets are available from the department's [Public Exhibition website](#).