

Report card for the Lake Burragorang 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 Warragamba
Area:	72,903.7 ha
Inflowing water source:	Kedumba River Water Source Little River Water Source Lower Wollondilly Water Source Werriberri Creek Water Source
Receiving water source:	Warragamba River Water Source

River flows

Low-flow index:	No visible flow
Flow records:	No gauge located in this water source

Basic landholder rights

Domestic and stock rights estimate:	416.1 ML/yr
Native title rights:	0 ML/yr

Licensed water entitlements

Total surface water entitlement:	44 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, unregulated river and aquifer 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, unregulated river and aquifer 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
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.		
Aboriginal cultural access licence	Permitted to a limit of 10 ML/yr.	No change.
Aboriginal community development access licence	Prohibited.	No change

Table 2. Draft surface water access rules

Type	Current rules	Proposed rules
Cease to pump	Cease to pump when no visible flow at the pump site.	No change.
Flow classes	None established.	No change.
Extraction from an in-river pool	Must cease pumping if the in-river pool is below full capacity.	No change.

Type	Current rules	Proposed rules
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 <i>State Environmental Planning Policy (Resilience and Hazards) 2021</i>	No current rule.	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, no net gain.	Permitted except from the: <ul style="list-style-type: none"> • Maldon’s Weir Water source • Maguires Crossing Water Source • Stonequarry Creek Water Source • Upper Nepean Water Source.
WITHIN water source	Permitted	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

- Lake Burrangorang Water Source has medium ecological values and low likelihood of extraction from low flows impacting the ecological values, with an overall low risk to low flows.
- There is no gauge located in the water source. Access rules reflect this.
- Risk has reduced in the Lake Burrangorang Water Source and more broadly across the entire Upper Nepean and Upstream Warragamba Extraction Management Unit. This reduction in risk justifies freeing up trade.
- The current water sharing plan allows trade into the Lake Burrangorang Water Source so long as there is no net gain of entitlement. It is proposed remove the ‘no net gain’ restriction and allow free trade into this water source due to the low likelihood and low overall risk.
- 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](#).