

# Report card for the Bungonia Creek Water Source

Report card 6 of 64

## Water source context

Water Sharing Plan:	Greater Metropolitan Region Unregulated Water Sources
Extraction Management Unit:	Shoalhaven River Extraction Management Unit
Area:	27,480.8 ha
Inflowing water source:	Nil
Receiving water source:	Shoalhaven River Gorge Water Source

## River flows

Low-flow index:	0.3 ML/day (80 <sup>th</sup> percentile flow)
Flow records:	Bungonia Creek at Bungonia gauge (215014)

## Basic landholder rights

Domestic and stock rights estimate:	438 ML/yr
Native title rights:	0 ML/yr
Harvestable rights	
estimated 10% rainfall runoff:	Not yet estimated
estimated current uptake:	Not yet estimated

## Licensed water entitlements

Total surface water entitlement:	43 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 local 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
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	Allowed to a limit of 10 ML/yr.	No change.
Aboriginal community development access licence	Not allowed.	No change.

Table 2. Draft surface water access rules

Type	Current rules	Proposed rules
River flow can be viewed on <a href="#">WaterNSW Real-time Data website</a> . Search for a gauge under Rivers and Streams.		
Cease to pump	<p>Cease to pump when no visible flow at the pump site.</p> <p>Cease to pump when flows are in the very low flow class.</p> <p>No take 24 hours after a cease to pump event.</p>	No change.

Type	Current rules	Proposed rules
<b>Flow classes</b>	Very Low Flow Class: ≤0.2 ML/day A Class: > 0.2 ML/day	No change.
<b>Extraction from an in-river pool</b>	Rules specified on the water supply work approval for the in-river dam.	No change.
<b>Off-river pools (natural pools, lakes or lagoons)</b>	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
<b>Health and hygiene</b>	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"> <li>• fruit washing</li> <li>• cleaning of dairy plant and equipment for the purposes of hygiene</li> <li>• poultry watering and misting</li> <li>• cleaning of enclosures used for intensive animal production for the purposes of hygiene.</li> </ul>	No change.
<b>Domestic use</b>	For domestic consumption under a domestic and stock access licence, up to 1 kl/day.	No change.
<b>Harvestable rights</b>	From a run-off harvesting dam.	No change.
<b>In-river pools or dams</b>	Licences used to take from lagoons which are exempt from environmental flow protection rules are listed in Schedule 3.	No change.
<b>Local water utility and major utility</b>	Licences exempt from access rules are listed in clause 2 of Schedule 2 of the current plan.	No change.

Table 4. Draft rules for constructing surface water supply works

Type	Current rules	Proposed rules
In-river dams	Allowed.	No change.
Works near coastal wetlands listed under the <i>State Environmental Planning Policy (Resilience and Hazards) 2021</i>	No rule in current plan.	Allowed as long as there is no more than minimal harm.

Table 5. Draft water trading (dealing) rules

Type	Current rules	Proposed rules
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).		
INTO water source	Not allowed.	Allowed, with no net gain.
WITHIN water source	Allowed.	No change.
Surface to ground	Not allowed.	No change.
Ground to surface	Not allowed.	No change.
Convert to high flow	Not allowed.	No change.

## Key factors for decisions

- Bungonia Creek Water Source has low consequence (ecological value) and high likelihood (hydrologic stress) with a medium overall risk to low flows.
- No change is proposed to the current access rules due to the low consequence value
- It is proposed to allow trade into Bungonia Creek Water Source as long as there is no net gain of entitlement. This will maintain take at or below current levels, promoting some trade whilst considering the high likelihood value.

## 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](#).