

Report Card for Tuggerah Lakes Water Source

Water Source Context	River Flows
Area: 136 km ² Average Annual Rainfall 1205 mm Inflowing water source: Wyong River, (Jilliby Jilliby Creek, Ourimbah Creek) Receiving water source: Nil	Low flow Index: (80 th ile in December of days with flow) = 1 ML/day Flow records: Estimate based on limited data. Estimate verified using 3 years of data recently collect between 28/08/2003 and 28/08/2006 in Narara Creek upstream Research Station.
Licensed Water use	
<ul style="list-style-type: none"> • Total surface water entitlement: 20 ML/year (75% used for irrigation purposes) • 1 surface water licenses - Peak Daily Demand=0.1 ML/day • 0.04 % of total Tuggerah Lakes Extraction Management Unit entitlement 	

Proposed Management Rules for Tuggerah Lakes Water Source

Draft Access Rules	
Cease to Pump (CtP)	Cease to pump is when there is either no visible inflow to, or outflow from, the pumping pool.
Reference Point	Riffles upstream and downstream of pump
Draft Trading Rules	
INTO water source	Not permitted
WITHIN water source	Permitted
Conversion to High Flow Access Licence	Not permitted

Key Factors for Panel Decision

Background information

Water Source attributes	Rating	Justification
Relative Instream Value (within catchment)	Medium	<ul style="list-style-type: none"> • 1 threatened aquatic invertebrate species • 4 threatened bird species • 6 threatened amphibian species • high recreational value
Hydrological Stress	Low	<ul style="list-style-type: none"> • peak extraction demand is significantly less than available flows in December
Relative Economic Significance of Irrigation (within catchment)	Low	<ul style="list-style-type: none"> • low economic dependence of the local community on water extracted for irrigation
Risk to Instream Value (from extraction)	Low	<ul style="list-style-type: none"> • instream values are at low risk of being impacted by extractions within the water source

Existing Access Arrangements During Dry Conditions

Water User Association (WUA)	No
Licensed Cease to Pump (CtP)	None

Regional Panel review of initial classification and draft rules

Classification

- Gaining stream type

Rules

- Trading rules identified by the classification process (trades allowed in up to a specified percentage of flow stress) were not adopted by the Regional Panel due the streams being small and unreliable, and a limited number of existing licences. Impacts on the estuary were also unknown.
- Access rules identified by the classification process (cease to pump to allow flows at or below the 95%ile to pass end of the water source) were not adopted by the Regional Panel due to a limited number of users and licence entitlement in the water source. A lack of infrastructure prevented the proposed end of system rule from implementation. Investment in infrastructure could not be justified due to the limited number of users. A visible inflow/outflow to pumping pool was proposed instead.

Matters raised during targeted consultation

No changes to the rules were proposed by water users or interest groups during the targeted consultation period. Note the targeted consultation period did primarily focus on the Wyong River water source.

Aboriginal Cultural Values

- The initial consultation with local Aboriginal communities indicate that they consider healthy rivers with natural flows and good biodiversity as being important. Further feedback is being sought from Aboriginal communities about values in their area.

Information on privacy and confidentiality

Submissions received will be used by the Department when it considers amending the Plan. The Department values your input into the water sharing plan process and appreciates that information that you provide may be of a private and personal nature.

If you wish your submission, any part of your submission, or your personal details to be treated as confidential for any reason then you can request this. Please indicate your preference at the time of making your submission. Please be aware that if you do not make a request for confidentiality, then the Department may make your submission, including any personal details contained in the submission, available to the public. Please see the "Community consultation" page on the Department's website for further information.

For more information about the macro planning process for the Central Coast Unregulated Water Sources refer to the "Central Coast Unregulated Water Sources - Background Document" on the Departments website:

www.dwe.nsw.gov.au

Disclaimer: While every reasonable effort has been made to ensure that this document is correct at the time of printing, the State of New South Wales, its agents and employees, disclaim any and all liability to any person in respect of anything or the consequences of anything done or omitted to be done in reliance upon the whole or any part of this document.

DWE 08_221