

# Mullum Mullum Creek

## Local Management Rules 2005



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### **Definitions**

“All-year licence” means a licence to take water either:

- from a waterway; or
- from a dam

between 1 January to 31 December.

“Minimum flow requirement” means a seven day average stream flow below which water users may not take water from a waterway and at which point bans will be implemented.

“On stream dam” means a farm dam constructed on a waterway and filled from stream flows.

“Off stream dam” means a farm dam constructed off a waterway, filled from a waterway or by catchment runoff.

“Relief trigger” means a seven day average stream flow rate at which water users may resume taking water following a ban period.

“Winter-fill licence” means a licence to take water from a waterway or dam between 1 May to 31 October.

### **Background**

#### *Melbourne Water’s Licensing Function*

Melbourne Water manages licences to take and use water in Mullum Mullum Creek. Licences are held by water users who may take water directly from the waterway or from a dam according to the conditions of their licence.

Melbourne Water is authorised to perform this function by its delegation under the *Water Act 1989*. Melbourne Water -

- Issues take and use licences,
- Issues works on waterways and operating licences,
- Sets conditions on licences,
- Manages water demand during times of low stream flows, and
- Authorises water transfers (trading of licences).

Melbourne Water is required to consider various matters when performing these functions. These matters are described in a number of guidelines including:

- Water Act 1989 (section 40~ Matters to be taken into account)
- Stream flow management plan framework,

- Healthy Rivers Healthy Communities and Regional Growth - Victorian River Health Strategy, and
- Ministerial guidelines for Licensing Irrigation and Commercial Use.

These Local Management Rules apply these matters to Melbourne Water’s licensing function in Mullum Mullum Creek.

*Water allocation and licensing*

Licences are required to take and use water from a waterway for irrigation and commercial purposes and in some instances for domestic and stock use. These licences may have conditions that allow:

- Taking water directly from a waterway, or collecting water in a dam, during any month (all-year licence);
- Filling off-stream dams, collecting water in a farm dam, or collecting water in an on-stream dam, during a winter-fill period (winter-fill licence).

These licences may also be issued for a specific use, such as irrigation, commercial, domestic or stock use.

When issuing or approving the transfer of a licence, Melbourne Water must consider the likely availability of the water at the proposed location and limits to water allocation in the Yarra River catchment.

The allocation of different licence types in 2005 is outlined in Table 1.

**Table 1 – 2005 Licence Allocation in Mullum Mullum Creek**

Licence Type	Number of licences	Volume (ML)
All- year (Domestic & stock)	0	
All- year (Commercial or irrigation)	3	10.5
All- year (Registration)	0	
All-year (Standard farm dam)	0	
Winter-fill	0	
Total	3	10.5

## Local Management Area

These rules relate to the area shown in the plan in Appendix 1. This area includes Mullum Mullum Creek to its confluence with the Yarra River.

## Objective

Local management rules will ensure that water resources are managed in an equitable manner so as to ensure the long-term sustainability of those resources.

Local management rules should:

- Prevent further decline in environmental value due to water extraction;
- Provide reasonable reliability of water access to licence holders;
- Demonstrate compliance with the Water Act and associated guidelines.

## Licence Allocation Limit

Licence allocation limits define the maximum volume of licences that may be transferred into, or held within the Area. Four allocations are set:

**Yarra River basin limit-** no further allocations will be issued in the Yarra River or any of its tributaries.

**Catchment allocation limit-** a maximum allocation of 86.5 ML may be held within the catchment under all licence types (ie combined allocation of all-year and winter fill licences).

**All-year licence allocation limit-** A maximum allocation of 10.5 ML may be held under all-year licences.

**Winter-fill allocation limit-** A maximum allocation of 76 ML may be held under winter-fill licences.

### Basis of the Allocation Limits

The all year licence limit is based upon the 2005 allocation of all-year licences in the catchment (10.5 ML). The winter-fill licence limit is based upon the sustainable diversion limit for the catchment (76 ML). The sustainable diversion limit is a rapid assessment of the maximum volume of water that can be diverted from a sub catchment during winter while protecting the environment. Sustainable diversion limits have been defined for 1600 catchments across Victoria. The catchment limit represents the combination of the all-year and winter-fill limits.

## Minimum Passing Flows

The following minimum flows shall be protected with bans on taking water, based on seven day average stream flows at the gauge 229648 – Mullum Mullum Creek at Doncaster East:

	<b>Minimum passing flow</b>	<b>Relief trigger</b>
Low flow season (1 November - 31 April)	2 ML/day	2 ML/day
High flow season (1 May – 31 October)	3 ML/day	3 ML/day

Farm dam licences issued before July 2004 are exempt from these flow requirements.

Stream flows and ban status are updated daily on Melbourne Water's web page [www.melbournewater.com.au](http://www.melbournewater.com.au) and can be checked by calling the Melbourne Water Customer Service Centre on 131 722.

### Basis of Minimum Flows

The minimum passing flows have been calculated from an investigation of actual stream flows in Mullum Mullum Creek since 1986. This period includes both wet and dry years and is considered a suitable basis for a rapid assessment of minimum passing flows.

The minimum passing flow is designed to protect very low flows in the creek, both to protect environmental values in the creek and to ensure that no single licence holder stops flow to the detriment of other users. The minimum passing flow also protects stream flow inputs to the Yarra River to protect its significant environmental and

recreational values. The minimum passing flow has been set at a level that aims to minimise adverse impacts on effected diversion businesses.

The minimum passing flow represents the flow that is exceeded at least 95% of the time during the high flow or low flow periods. In other words, 95% of the time flows are higher than this level and 5% of the time flows are less than this level. This approach has been used elsewhere in Australia to rapidly establish environmental flows (for example the NSW River Flow Objectives). Other options were considered, including a single minimum flow across the year and using the flow exceeded at least 80% of the time, however these had a greater impact on the volumes of water that were estimated to be available to licence holders based on historical daily stream flow patterns and so were not used.

## Transferring Licences

The Water Act allows Melbourne Water to approve an application to temporarily or permanently transfer a licence.

Transfer applications will not be approved if the Licence Allocation Limits will be exceeded by the transfer. Transfers will also be subject to the availability of water at the new location.

If you wish to purchase or sell a licence, please contact Melbourne Water on 131 722.

## Metering Of Licences

Licences other than Registration Licences and Domestic and Stock licences must be metered where the licensed volume is 5 ML or greater. For existing licences, meters will be supplied and fitted at no initial cost to diverters as a part of Melbourne Water's metering program. The cost of reading, maintaining and replacing the meters will be recouped from future licence fees.

## Licence Conditions

Upon renewal, all licences for a purpose specified in Appendix 2 shall be subject to the corresponding conditions set out in the Appendix.

## Review

These rules shall be reviewed in 2010.

## Approval

These Local Management Rules are approved

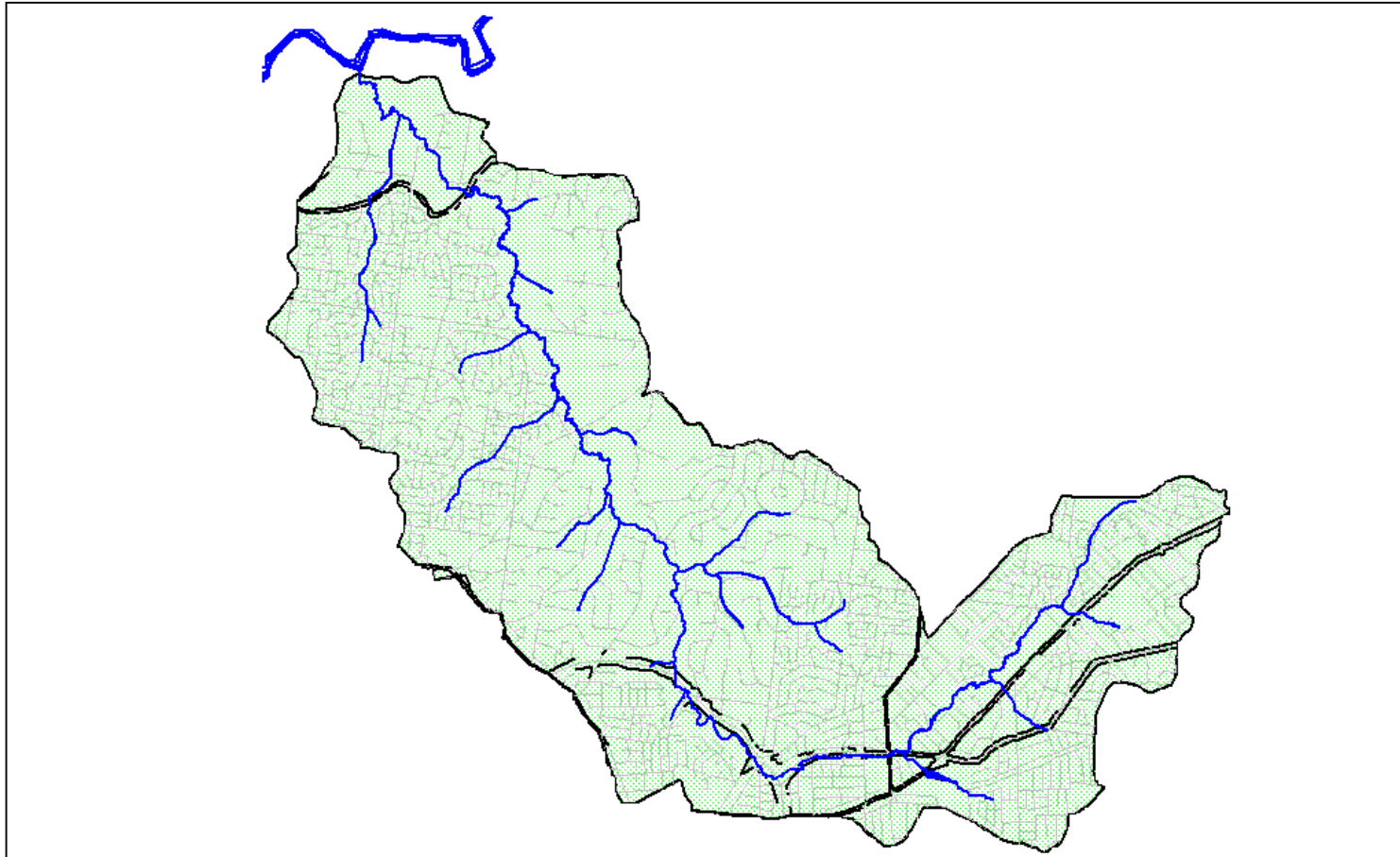
A handwritten signature in black ink, appearing to read 'Tony Antoniou', written in a cursive style.

TONY ANTONIOU  
ACTING GENERAL MANAGER  
RIVERS AND DRAINAGE

Date

## **Appendix 1**

### **Mullum Mullum Creek Local Management Area**



## **Appendix 2**

### **Schedule of Licences Conditions**

The following special conditions shall be added to, or replace, existing licence conditions where appropriate.

#### **1. Licence to take and use water from a waterway for any purpose**

1.1.1 The licensee must not take any water from a waterway when the average stream flow at Doncaster East gauging station is:

- (i) 2 ML/day or less per day, at any time between 1 November and 31 April in the following year; or
- (ii) 3 ML/day or less per day at any time between 1 May and 31 October in any year.

#### **2. Licence to take water from a waterway to fill a dam**

The licensee must not take or collect water from a waterway to fill a dam, whether the dam is built on or off a waterway, between 1 November and 31 April in the following year.