



February  
2016

## Drought Response Plan: Part B A Water Sharing Plan for Licenced Water Users in the: **Olinda Creek catchment**

To be read in conjunction with Part A: A Water Sharing Plan for all Licensed Water Users 2016

A new Stream Flow Management Plan for the Olinda Creek catchment is nearly complete. Changes affecting this Plan will be advised as soon as available.

### 1. Catchment Description

Olinda Creek is a tributary of the Yarra River, rising in the Dandenong Ranges, and flowing northward through the townships of Kalorama, Mt Evelyn, Lilydale, and the Coldstream district before flowing into the Yarra River.

The catchment is approximately 82km<sup>2</sup> and supports a diverse range of native bird, reptile, macroinvertebrate and mammal species, several of which are threatened or endangered. Silvan Reservoir is situated in the upper catchment at Monbulk and supplies water to Melbourne's urban demand centre, and while it does not collect significant volumes of water from the Olinda Creek catchment, it provides a constant flow of 2ML/day to Olinda Creek.

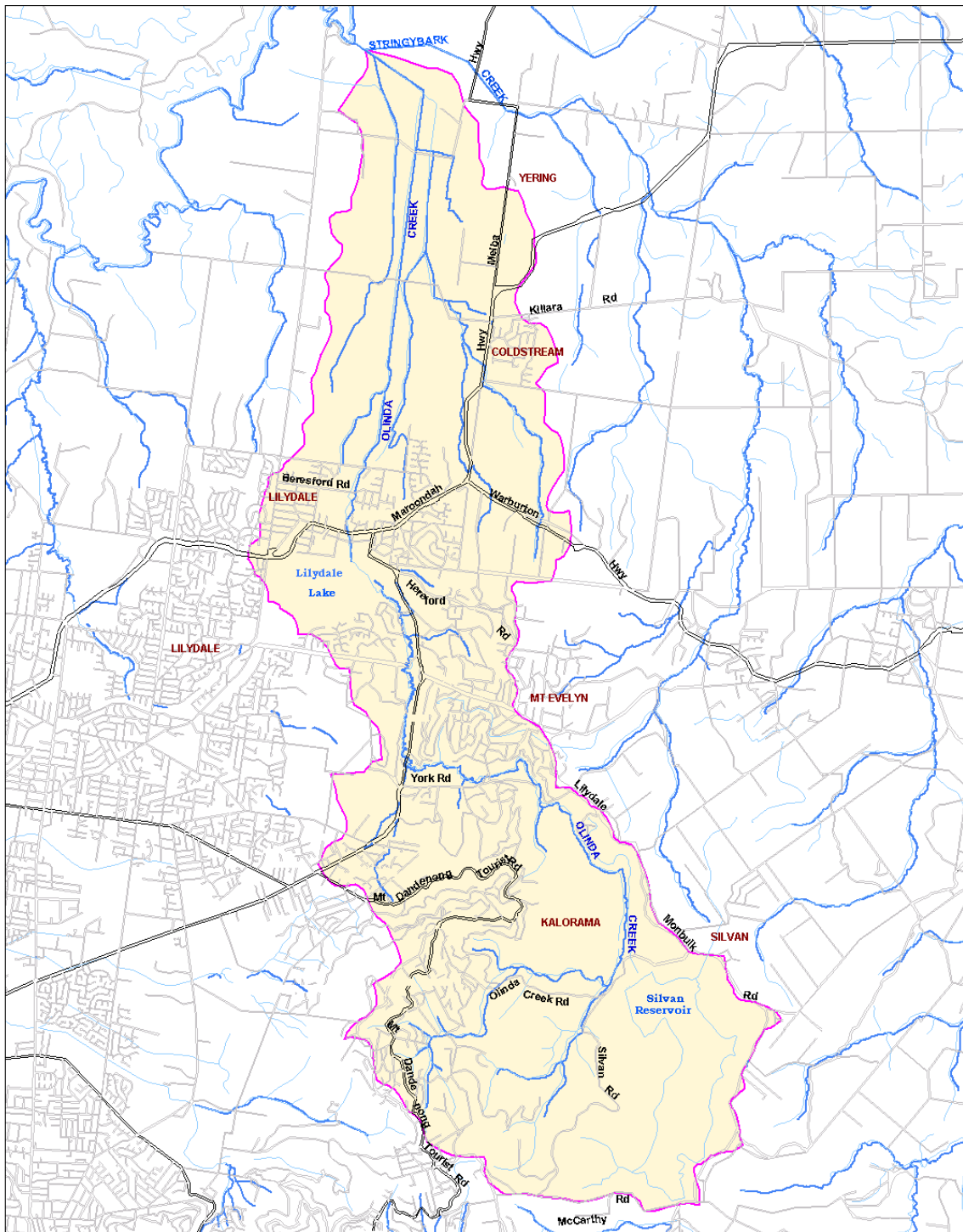
The natural flow regime of Olinda Creek has been significantly altered, primarily by the diversion of water for irrigation and stock and domestic purposes.

The majority of water use in the Olinda catchment is in the middle and lower reaches, with the most common crops being pasture, vegetables, berries, orchards, flowers, viticulture and trees.

The Olinda Creek catchment is subject to a Stream Flow Management Plan which commenced in 2007. Further information on the establishment of ban and restriction levels for this catchment can be found within the plan.



The map on this page shows the catchments and major waterways.



Olinda Creek Catchment

## 2. Ban & Restriction Triggers

Flow levels are monitored by gauges (data logging stations) that provide continuous flow readings. Under the Stream Flow Management Plan the catchment has two nominated compliance points for the introduction of bans and restrictions as shown in the table below. Olinda Creek (Lower), below Lillydale Lake and Olinda Creek (Upper), above Lillydale Lake.

Gauge number	Gauge name	Reach Description
229258 A	Olinda Creek at Macintyre Lane, Yering	Olinda Creek catchment downstream of Lillydale Lake
229690	Olinda Creek at York Road Mount Evelyn	Olinda Creek catchment upstream of Lillydale Lake

Bans and restrictions will be introduced and lifted when catchment specific triggers occur based upon 7-day rolling average stream flows. The trigger levels for bans and restrictions are as shown in ML in the tables below.

### 2.1 Olinda Creek (Lower)

The data logging station for Olinda Creek (Lower) is located at [Yering Olinda Creek - MacIntyre Lane \(229258A\)](#).

Period	Dates	Ban Trigger (ML/day)	Restriction Trigger (ML/day)
Low Flow	1 Jan - 31 Mar	12.0	15.0
Shoulder Period	1 Apr - 30 Jun	12.0	N/A
High Flow	1 Jul - 31 Oct	16.6	N/A
Shoulder Period	1 Nov - 31 Dec	12.0	N/A

### 2.2 Olinda Creek (Upper)

The data logging station for Olinda Creek (Upper) is located at [Mt Evelyn York Road \(229690\)](#).

Period	Dates	Ban Trigger (ML/day)	Restrictions Trigger (ML/day)
Low Flow	1 Jan - 31 Mar	4.5	6.0
Shoulder Period	1 Apr - 30 Jun	6.0	N/A
High Flow	1 Jul - 31 Oct	12.0	N/A
Shoulder Period	1 Nov - 31 Dec	6.0	N/A





### 3 Application of Restrictions

Irrespective of anything in this section, users must not exceed their annual allocation on their licence or take water outside of their authorised take period.

Active licence holders in the Olinda Creek (Lower and Upper) with allocations greater than 5ML are metered by Melbourne Water. Both volumetric and / or time based restrictions will apply within the Olinda Creek catchment depending on if a licensee is metered or not.

#### 3.1 Metered Licences:

For all metered licenses in the Olinda Creek (Lower and Upper) catchment, access to water during restrictions will be based on a percentage of the Maximum Daily Volume (MDV) shown on the licence. The MDV will be set at no greater than five percent of the total annual volume.

During restriction periods (1 Jan to 31 Mar) a licensee will be entitled to take and use only 20% of their MDV. The percentage of MDV available under corresponding flow conditions is as shown in the table below. All water used under these conditions must be passed through and recorded on the authorised MW meter.

Metered water users are required to keep a record of daily diversions during ban and restriction periods, to be made available to MW upon request.

% of Maximum Daily Volume (MDV) permitted	Low Flow Period Olinda Creek (Lower) (1 Jan - 31 Mar)	Low Flow Period Olinda Creek (Upper) (1 Jan – 31 Mar)
	Flow (ML/day)	Flow (ML/ day)
100 %	>15.0	>6.0
Restriction: 20 %	>12.0 – 15.0	>4.5 – 6.0
Ban: 0 %	12.0	4.5



*Irrigation meter being read by Melbourne Water*

## 3.2 Unmetered Licences:

For all unmetered licenses, access to water during restrictions will be based on allotted days and hours designed to reduce demand and focus watering on the beginning and end of the day to promote watering efficiency and reduce losses. Unmetered licence holders who wish to have their restrictions based on a percentage of maximum daily volume as per section 3.1 above may apply to purchase and install a Melbourne Water meter. Following meter installation they will be eligible for volumetric based restrictions to be applied.

During restriction periods the following limitations on accessing water will apply:

Licence Type: Irrigation, industrial or commercial use direct from waterway	
Low Flow Period (1 Dec – 30 Jun)	<p><b>All users except as shown</b></p> <p>Max. 7 hours between 6am &amp; 9am and 6pm &amp; 10pm on allotted group days, or as agreed with Melbourne Water</p> <p>Group A Mondays, Wednesdays and Fridays</p> <p>Group B Tuesdays, Thursdays and Saturdays</p> <p><b>Commercial flower growers, nurseries,</b></p> <p>Max. 3 hours between 6am &amp; 8am and 7pm &amp; 8pm any day.</p> <p><b>Berry growers</b></p> <p>Max. 3 hours between daylight hours</p> <p><b>Industrial</b></p> <p>Volume diverted to be reduced by 50%. Records to be kept of actual use for audit purposes</p>
High Flow Period (1 Jul – 30 Nov)	<p><b>All users except as shown</b></p> <p>Max. 7 hours between 6am &amp; 9am and 6pm &amp; 10pm on any day on allotted group days, or as agreed with Melbourne Water</p> <p><b>Industrial</b></p> <p>Volume diverted to be reduced by 25%. Records to be kept of actual use for audit purposes.</p>
Licence type: irrigation or commercial licence used with an on-stream dam	
All periods	<p>If diverters share of water held in on-stream dam is</p> <ul style="list-style-type: none"> <li>• <b>Greater than 50% of licensed entitlement</b> No restrictions apply provided all water used is drawn from reserves of stored water and all natural stream-flow passes downstream</li> <li>• <b>Less than 50% of licensed entitlement</b> Restrictions apply as per use direct from waterway as above</li> </ul>
Licence type: irrigation or commercial licence used with an off-stream dam	
All periods	<p>Stored water in the off-stream dam may be used at any time but refilling of the dam from the waterway may only occur in accordance with the restrictions applied as per use direct from waterway above.</p>
Licence type: winter-fill on-stream dam	
Low Flow and Shoulder Period (1 Nov- 30 Jun)	<p>Refilling of storages is banned (outside of take period).</p> <p>No restrictions on water use provided water supply is drawn from reserves of stored water.</p> <p><b>All natural streamflow must be passed downstream.</b></p>
High Flow Period (1 Jul – 31 Oct)	<p>No restrictions on water use provided water is drawn from reserves of stored water.</p> <p>Under restriction conditions, dam-filling limited to maximum four hours per day, between 8.00 am &amp; 12.00 pm.</p>

<b>Licence type: winter-fill off-stream dam</b>	
Low Flow Period (1 Dec – 30 Jun)	Refilling of storages is banned (outside of take period). No restrictions on water use provided water supply is drawn from reserves of stored water.
High Flow Period (1 Jul – 30 Nov)	No restrictions on water use provided water is drawn from reserves of stored water. Under restriction conditions, dam-filling limited to maximum four hours per day, between 8.00 am & 12.00 pm.
<b>Licence type: domestic &amp; stock use</b>	
Low Flow Period (1 Dec – 30 Jun)	Pumping <b>banned</b> if alternative water supply available. I.e. mains supply available If no alternative supply available then water may only be taken for the following: <ul style="list-style-type: none"> <li>• Essential household use</li> <li>• Watering of stock</li> </ul> <b>Individual drought contingency plans should be implemented.</b>
High Flow Period (1 Jul – 30 Nov)	Not restricted
<b>Licence type: non-consumptive use</b>	
All Periods	Provided 100% of water is returned in accordance with EPA discharge licence, no more than the lesser of 25% of the assessed stream-flow or 75% of the daily flow as indicated on the licence may be diverted
<b>Licence type: farm dams</b>	
All Periods	Not restricted

All licence holders within the catchment must adhere to the restrictions and bans introduced in response to the flow conditions specified. Melbourne Water will consider exemptions or modification to the restrictions contained above upon written application by licence holders and in accordance with Section 12 of the Drought Response Plan.



## 4 Roster Groups and Allotted Days

The following table defines the roster group allocation and allotted pumping days for waterways within the Olinda Creek (Lower and Upper) catchment only. To be used in conjunction with the restriction tables above.

OLINDA CREEK (Lower and Upper)	
<b>Restriction Roster Group A waterways (including tributaries)</b> <b>Allotted days – Monday, Wednesday, Friday</b>	
Olinda Creek (Lower)	Lilydale East Drain
<b>Restriction Roster Group B waterways (including tributaries)</b> <b>Allotted days – Tuesday, Thursday, Saturday</b>	
Olinda Creek (Upper)	Olinda Creek - Tributary 5627
Lyre Bird Gully Creek	Olinda Creek - Tributary 5631
Rich Creek	



*Olinda Creek Mount Evelyn*

## Document Versions

Revision	Date Issued	Issued To	Issued By
Version 1	2016	Melbourne Water Diversion Customers	Melbourne Water Diversion Team