

under the

Water Management Act 2000

I, Niall Blair, the Minister for Lands and Water, in pursuance of sections 45 (1) and 45A of the *Water Management Act 2000*, being satisfied it is in the public interest to do so, make the following Order to amend the *Water Sharing Plan for the Greater Metropolitan Region Unregulated River Water Sources 2011*.

Dated this 29th day of June 2016.

NIALL BLAIR, MLC Minister for Lands and Water

## Explanatory note

This Order is made under sections 45 (1) and 45A of the *Water Management Act* 2000. The object of this Order is to amend the *Water Sharing Plan for the Greater Metropolitan Region Unregulated River Water Sources 2011*. The concurrence of the Minister for the Environment was obtained prior to the making of this Order.

## Water Sharing Plan for the Greater Metropolitan Region Unregulated River Water Sources Amendment Order 2016

under the

Water Management Act 2000

## 1 Name of Order

This Order is the Water Sharing Plan for the Greater Metropolitan Unregulated River Water Sources Amendment Order 2016.

### 2 Commencement

This Order commences on the day on which it is published on the NSW legislation website.

## 3 Repeal of management plan

The Water Sharing Plan for the Kangaroo River Water Source 2003 is repealed.

# Schedule 1 Amendment of Water Sharing Plan for the Greater Metropolitan Unregulated River Water Sources 2011

### [1] Clause 4 Application of this Plan

Omit "Version 1". Insert instead "Version 2".

#### [2] Clause 4 (4) (d) – (f)

Omit the paragraphs. Insert instead:

- (e) any alluvial sediments; and
- (f) the Mooney Mooney Creek Water Source and the Mangrove Creek Water Source as defined in the *Water Sharing Plan for the Central Coast Unregulated Water Sources 2009.*

#### [3] Clause 4 (5)

Insert after clause 4 (4):

(5) This Plan, as amended by the Water Sharing Plan for the Greater Metropolitan Region Unregulated River Water Sources Amendment Order 2016, replaces the Water Sharing Plan for the Kangaroo River Water Source 2003.

#### [4] Clause 5 Management zones

Insert at the end of clause 5 (1) (a) (xx):

; and

(xxi) Kangaroo River Management Zone;

#### [5] Clause 9A

Insert after clause 9:

#### 9A Acknowledgement

Respect is paid to the traditional owners of this country, who are acknowledged as the first natural resource managers within these water sources.

### [6] Clause 11

Omit the clause. Insert instead:

#### 11 Strategies

The strategies of this Plan are to:

- (a) establish performance indicators;
- (b) establish environmental water rules;
- (c) identify water requirements for basic landholder rights;
- (d) identify water requirements for access licences;
- (e) establish rules for the granting and amending of access licences and approvals;
- (f) establish rules that place limits on the availability of water for extraction;
- (g) establish rules for making available water determinations;
- (h) establish rules for the operation of water allocation accounts;
- (i) establish rules which specify the circumstances under which water may be taken;
- (j) establish access licence dealing rules; and
- (k) identify triggers for and limits to changes to the rules in this Plan.

#### [7] Clause 12

Omit the clause. Insert instead:

#### 12 Performance indicators

The following performance indicators are to be used to measure the success of the strategies of this Plan in reaching the objectives of this Plan:

- (a) change in low flow regime;
- (b) change in moderate to high flow regime;
- (c) change in surface water extraction relative to the long-term average annual extraction limits;

- (d) change in water quality in these water sources;
- (e) change in the ecological condition of these water sources and their dependent ecosystems;
- (f) the change in the extent to which domestic and stock rights and native title rights requirements have been met;
- (g) the change in economic benefits derived from water extraction and use;
- (h) the change in the extent to which water has been made available in recognition of the Aboriginal, cultural and heritage values of these water sources.

#### [8] Clause 14 Climatic variability

Omit "having".

#### [9] Clause 15 General

Omit "Division". Insert instead "Part".

#### [10] Clause 17 Establishment and maintenance of planned environmental water

Omit clause 17 (5). Insert instead:

(5) The planned environmental water established under subclause (2) (c) is maintained in these water sources by the rules specified in Parts 7 and 9.

**Note.** The rules in Part 7 ensure that there will be water remaining in these water sources over the long-term by maintaining compliance with the long-term average annual extraction limit, which is less than 100% of the long-term average water available. The rules in Part 7 provide for a reduction in available water determinations when the long-term average annual extraction limit has been assessed to have been exceeded.

#### [11] Clause 20

Omit the clause. Insert instead:

#### 20 Domestic and stock rights

The water requirements of persons entitled to domestic and stock rights within these water sources are estimated to total 88.3 megalitres per day (hereafter *ML/day*), distributed as follows:

(a) 13.6 ML/day in the Shoalhaven River Water Source;

- (b) 4 ML/day in the Illawarra Rivers Water Source;
- (c) 21 ML/day in the Upper Nepean and Upstream Warragamba Water Source;
- (d) 25.4 ML/day in the Hawkesbury and Lower Nepean Rivers Water Source;
- (e) 13.2 ML/day in the Southern Sydney Rivers Water Source; and
- (f) 11.1 ML/day in the Northern Sydney Rivers Water Source.

#### Notes.

- 1 Domestic and stock rights are set out in Division 1 of Part 1 of Chapter 3 of the Act and must be exercised in accordance with any mandatory guidelines established under the Act with respect to the taking and use of water for domestic consumption or stock watering.
- 2 Inherent water quality and land use activities may make the water in some areas unsuitable for human consumption. Water from these water sources should not be consumed without first being tested and, if necessary, appropriately treated. Such testing and treatment is the responsibility of the water user.

#### [12] Clause 21

Omit the clause. Insert instead:

#### 21 Native title rights

The water requirements of persons entitled to native title rights within these water sources are estimated to be 26.6 megalitres per year (hereafter *ML/year*) in the

Kangaroo River Management Zone in the Shoalhaven River Water Source.

**Note.** A change in native title rights may occur pursuant to the provisions of the *Native Title Act* 1993 (Cth).

#### [13] Clause 23

Omit the clause. Insert instead:

#### 23 Share components of domestic and stock access licences

It is estimated that the share components of domestic and stock access licences authorised to take water from these water sources will total 2,344.6 ML/year, distributed as follows:

- (a) 243.4 ML/year in the Shoalhaven River Water Source;
- (b) 109 ML/year in the Illawarra Rivers Water Source;
- (c) 440.7 ML/year in the Upper Nepean and Upstream Warragamba Water Source;

- (d) 1,498.5 ML/year in the Hawkesbury and Lower Nepean Rivers Water Source;
- (e) 47.5 ML/year in the Southern Sydney Rivers Water Source; and
- (f) 5.5 ML/year in the Northern Sydney Rivers Water Source.

#### [14] Clause 24

Omit the clause. Insert instead:

#### 24 Share components of local water utility access licences

It is estimated that the share components of local water utility access licences authorised to take water from these water sources will total 36,544 ML/year, distributed as follows:

- (a) 27,031 ML/year in the Shoalhaven River Water Source;
- (b) 0 ML/year in the Illawarra Rivers Water Source;
- (c) 8,539 ML/year in the Upper Nepean and Upstream Warragamba Water Source;
- (d) 974 ML/year in the Hawkesbury and Lower Nepean Rivers Water Source;
- (e) 0 ML/year in the Southern Sydney Rivers Water Source; and
- (f) 0 ML/year in the Northern Sydney Rivers Water Source.

#### [15] Clause 25

Omit the clause. Insert instead:

#### 25 Share components of unregulated river access licences

It is estimated that the share components of unregulated river access licences authorised to take water from these water sources will total 126,591.5 unit shares, distributed as follows:

- (a) 10,976.8 unit shares in the Shoalhaven River Water Source;
- (b) 2,936.4 unit shares in the Illawarra Rivers Water Source;
- (c) 15,540.2 unit shares in the Upper Nepean and Upstream Warragamba Water

Source;

- (d) 91,984.1 unit shares in the Hawkesbury and Lower Nepean Rivers Water Source;
- (e) 3,294 unit shares in the Southern Sydney Rivers Water Source; and
- (f) 1,860 unit shares in the Northern Sydney Rivers Water Source.

#### [16] Clause 26 Share components of major utility access licences

Omit from the clause "at the time of commencement of this Plan,".

## [17] Clause 29 Releases from Shoalhaven City Council from Tallowa Dam in the Shoalhaven River Water Source

Omit "February" wherever occurring from clause 29 (1) and the note to the clause 29 (1). Insert instead "January".

#### [18] Clause 39A Investigations into environmental release rules

Delete "end the by" in clause 39A (2). Insert instead "by the end of".

#### [19] Clause 41 Volume of the long-term average annual extraction limits

Omit "basic landholder rights" wherever occurring. Insert instead "domestic and stock rights and native title rights".

#### [20] Clause 41 (3) and (4)

Omit "subclauses (6) and (7)" wherever occurring. Insert instead "subclause (7)".

#### [21] Clause 41 (5)

Omit "Subject to any variation under subclause (6), the". Insert instead "The".

#### [22] Clause 41 (6)

Omit clause 41 (6).

#### [23] Clause 42 Calculation of current levels of annual extraction

Omit from clause 42 (1) "basic landholder". Insert instead "domestic and stock rights and native title".

#### [24] Clause 42 (2) (b)

Omit from clause 42 (2) (b) "basic landholder". Insert instead "domestic and stock rights and native title".

#### [25] Clause 52 (7)

Insert after Note 2 to clause 52 (7):

3 **Aboriginal person** is defined in the Dictionary.

#### [26] Clause 56 Flow classes

Omit clause 56 (4). Insert instead:

(4) Subject to subclause (5A) and (5B), a flow class applies in the respective water source or management zone on the day specified in Column 7 of Table C when flows (the flow of water in ML/day) as measured at the flow reference point specified in Column 6 of Table C are equal to the flow specified in Column 5 of Table C and/or meet any other conditions specified in the Column.

#### [27] Clause 56 (5A) – (5C)

Insert after clause 56 (5):

- (5A) For flow classes that are determined based on flows at more than one flow measuring gauge, on any day that it is not possible to determine the flow at a flow reference point specified in Column 6 of Table B due to flow data not being available from a flow measuring gauge, then the flow class applies for the relevant management zone when flows as measured at the remaining functioning gauge specified in Column 6 of Table B are equal to the flows specified in Column 5 of Table B for that gauge.
- (5B) Subject to subclause (5A), if, in the Minister's opinion, accurate flow data is not available on a particular day from a flow measuring gauge used to determine a flow class, the Minister may determine the flow class that applies for that day and notify the licence holder in writing of the flow class that applies for that day. For the purpose of this subclause, notification includes publishing a notice on the Department's website.
- (5C) For the purpose of determining the flow class that applies on a particular day under subclause (5B), the Minister may take into consideration evidence of past and current flows and readings at other functioning upstream and downstream gauges.

**Note.** On days that accurate flow data is not available, holders of access licences may contact the Department's office at the address listed in Appendix 3 or check the Department's website to find out what flow class applies on that day.

#### [28] Clause 56 Table C

Omit Table C and the associated notes from clause 56. Insert instead:

| Column 1                            | Column 2   | Column 3               | Column 4            | Column 5   | Column 6   | Column 7                              |
|-------------------------------------|--|------------------------|---------------------|--|--|---------------------------------------|
| Water Source                        | Management<br>Zone                                 | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point                             | Day on which<br>flow class<br>applies |
|                                     |  | Very Low Flow<br>Class | Year 1 of this Plan | 10 ML/day or<br>less on a<br>rising river or<br>5 ML/day or<br>less on a<br>falling river  | Shoalhaven<br>River at<br>Kadoona<br>gauge<br>(215008) | Same day                              |
|                                     |  | Very Low Flow<br>Class | Year 6 of this Plan | 14 ML/day or<br>less on a<br>rising river or<br>10 ML/day or<br>less on a<br>falling river   |  | Same day                              |
|                                     | Upper<br>Shoalhaven<br>River<br>Management<br>Zone | A Class                | Year 1 of this Plan | More than 10<br>ML/day and<br>45 ML/day or<br>less on a<br>rising river or<br>more than 5<br>ML/day and<br>45 ML/day or<br>less on a<br>falling river  |  | Same day                              |
| Shoalhaven<br>River Water<br>Source |  | A Class                | Year 6 of this Plan | More than 14<br>ML/day and<br>45 ML/day or<br>less on a<br>rising river or<br>more than 10<br>ML/day and<br>45 ML/day or<br>less on a<br>falling river |  | Same day                              |
|                                     |  | B Class                | Year 1 of this Plan | More than 45<br>ML/day   |  | Same day                              |
|                                     |  | Very Low Flow<br>Class | Year 1 of this Plan | 46 ML/day or<br>less on a<br>rising river or<br>24 ML/day or<br>less on a<br>falling river   |  | Same day                              |
|                                     | Mid Shoalhaven<br>River<br>Management<br>Zone      | Very Low Flow<br>Class | Year 6 of this Plan | 63 ML/day or<br>less on a<br>rising river or<br>48 ML/day or<br>less on a<br>falling river   | Shoalhaven<br>River at Warri<br>gauge<br>(215002)      | Same day                              |
|                                     |  | A Class                | Year 1 of this Plan | More than 46<br>ML/day on a<br>rising river or<br>more than 24<br>ML/day on a<br>falling river   |  | Same day                              |

### Table C – Flow Classes

| Column 1     | Column 2  | Column 3               | Column 4            | Column 5   | Column 6   | Column 7                              |
|--------------|---|------------------------|---------------------|--|--|---------------------------------------|
| Water Source | Management<br>Zone                              | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point   | Day on which<br>flow class<br>applies |
|              |   | A Class                | Year 6 of this Plan | More than 63<br>ML/day on a<br>rising river or<br>more than 48<br>ML/day on a<br>falling river       |  | Same day                              |
|              | Reedy Creek                                     | Very Low Flow<br>Class | Year 1 of this Plan | 0.6 ML/day or<br>less on a<br>rising river or<br>0.2 ML/day or<br>less on a<br>falling river         | Reedy Creek<br>at Manar  | Same day                              |
|              | Management<br>Zone                              | A Class                | Year 1 of this Plan | More than 0.6<br>ML/day on a<br>rising river or<br>more than 0.2<br>ML/day on a<br>falling river     | gauge<br>(215238)  | Same day                              |
|              | Boro Creek<br>Management                        | Very Low Flow<br>Class | Year 1 of this Plan | 3.2 ML/day or<br>less  | Boro Creek at<br>Marlowe   | Same day                              |
|              | Zone  | A Class                | Year 1 of this Plan | More than 3.2<br>ML/day  | gauge<br>(215239)  | Same day                              |
|              | Mongarlowe                                      | Very Low Flow<br>Class | Year 1 of this Plan | 12.8 ML/day<br>or less on a<br>rising river or<br>7.6 ML/day or<br>less on a<br>falling river        | Mongarlowe<br>River at   | Same day                              |
|              | River<br>Management<br>Zone                     | A Class                | Year 1 of this Plan | More than<br>12.8 ML/day<br>on a rising<br>river or more<br>than 7.6<br>ML/day on a<br>falling river | Mongarlowe<br>gauge<br>(215210)  | Same day                              |
|              | Corang and<br>Endrick Rivers                    | Very Low Flow<br>Class | Year 1 of this Plan | 2 ML/day or<br>less on a<br>rising river or<br>0.6 ML/day or<br>less on a<br>falling river           | Corang River<br>at Hockeys   | Same day                              |
|              | Management<br>Zone                              | A Class                | Year 1 of this Plan | More than 2<br>ML/day on a<br>rising river or<br>more than 0.6<br>ML/day on a<br>falling river       | gauge<br>(215004)  | Same day                              |
|              | Bungonia Creek                                  | Very Low Flow<br>Class | Year 1 of this Plan | 0.2 ML/day or less   | Bungonia<br>Creek at   | Same day                              |
|              | Management<br>Zone                              | Management             | Year 1 of this Plan | More than 0.2<br>ML/day  | Bungonia<br>gauge<br>(215014)  | Same day                              |
|              | Shoalhaven<br>River Gorge<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | 77 ML/day or<br>less on a<br>rising river or<br>40 ML/day or<br>less on a<br>falling river           | (213014)<br>Shoalhaven<br>River at<br>Fossickers<br>Flat gauge<br>(215207) | Same day                              |

| Column 1     | Column 2                             | Column 3               | Column 4            | Column 5   | Column 6  | Column 7                              |
|--------------|--------------------------------------|------------------------|---------------------|--|---|---------------------------------------|
| Water Source | Management<br>Zone                   | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point  | Day on which<br>flow class<br>applies |
|              |                                      | A Class                | Year 1 of this Plan | More than 77<br>ML/day on a<br>rising river or<br>more than 40<br>ML/day on a<br>falling river   |   | Same day                              |
|              | Lower Kangaroo<br>River              | Very Low Flow<br>Class | Year 1 of this Plan | 7 ML/day or<br>less  | Kangaroo<br>River at  | Same day                              |
|              | Management<br>Zone                   | A Class                | Year 1 of this Plan | More than 7<br>ML/day  | Hampden<br>Bridge gauge<br>(215220)                                       | Same day                              |
|              | Kangaroo River<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | 7 ML/day or<br>less  |   | Same day                              |
|              |                                      | A Class                | Year 1 of this Plan | More than 7<br>ML/day and<br>30 ML/day or<br>less  | Kangaroo<br>River at  | Same day                              |
|              |                                      | B Class                | Year 1 of this Plan | More than 30<br>ML/day and<br>118 ML/day or<br>less  | Hampden<br>Bridge gauge<br>(215220)                                       | Same day                              |
|              |                                      | C Class                | Year 1 of this Plan | More than 118<br>ML/day  |   | Same day                              |
|              | Yarrunga Creek<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | 1 Where<br>releases are<br>being made<br>under clause<br>28 (1) (a),<br>when flows<br>are equal to or<br>less than<br>those<br>releases;<br>or<br>2 When<br>releases are<br>not being<br>made under<br>clause 28 (1)<br>(a);<br>or<br>3 Where<br>clause 28 (1)<br>(b) applies<br>and flows are<br>equal to or<br>less than the<br>required<br>release under<br>clause 28 (1)<br>(a); | Points for<br>determining<br>releases as<br>specified in<br>clause 28 (1) | Same day                              |

| Column 1     | Column 2                                      | Column 3               | Column 4            | Column 5  | Column 6   | Column 7                              |
|--------------|---|------------------------|---------------------|---|--|---------------------------------------|
| Water Source | Management<br>Zone                            | Flow Class             | Commencement        | Flow<br>(ML/day)  | Flow<br>Reference<br>Point                                   | Day on which<br>flow class<br>applies |
|              |   | A Class                | Year 1 of this Plan | 1 Where<br>releases are<br>being made<br>under clause<br>28 (1) (a),<br>when flows<br>are more than<br>those<br>releases;<br>or<br>2 Where<br>clause 28 (1)<br>(b) applies<br>and flows are<br>more than the<br>required<br>release under<br>clause 28 (1)<br>(a) |  | Same day                              |
|              | Fitzroy Falls                                 | Very Low Flow<br>Class | Year 1 of this Plan | 0.4 ML/day or<br>less   | Yarrunga<br>Creek at   | Same day                              |
|              | Management<br>Zone                            | A Class                | Year 1 of this Plan | More than 0.4<br>ML/day   | Wildes<br>Meadow<br>gauge<br>(215233)                        | Same day                              |
|              | Lower<br>Shoalhaven                           | Very Low Flow<br>Class | Year 1 of this Plan | 69 ML/day or<br>less  | Shoalhaven<br>River at                                       | Same day                              |
|              | River<br>Management<br>Zone                   | A Class                | Year 1 of this Plan | More than 69<br>ML/day  | Grassy Gully<br>No 2 gauge<br>(215216)                       | Same day                              |
|              | Bomaderry<br>Creek                            | Very Low Flow<br>Class | Year 1 of this Plan | 1 ML/day or<br>less on a<br>rising river or<br>0.4 ML/day or<br>less on falling<br>river  | Bomaderry<br>Creek at  | Same day                              |
|              | Management<br>Zone                            | A Class                | Year 1 of this Plan | More than 1<br>ML/day on a<br>rising river or<br>more than 0.4<br>ML/day on a<br>falling river  | Bomaderry<br>gauge<br>(215016)                               | Same day                              |
|              |   | Very Low Flow<br>Class | Year 1 of this Plan | 1.8 ML/day or<br>less   | Proughton  | Same day                              |
|              | Broughton<br>Creek<br>Management<br>Zone      | A Class                | Year 1 of this Plan | More than 1.8<br>ML/day and<br>9.8 ML/day or<br>less  | Broughton<br>Creek at<br>Broughton<br>Vale gauge             | Same day                              |
|              |   | B Class                | Year 1 of this Plan | More than 9.8<br>ML/day   | (215018)   | Same day                              |
|              |   | Very Low Flow<br>Class | Year 1 of this Plan | 1.8 ML/day or<br>less   | Droughter  | Same day                              |
|              | Broughton Mill<br>Creek<br>Management<br>Zone | A Class                | Year 1 of this Plan | More than 1.8<br>ML/day and<br>9.8 ML/day or<br>less  | Broughton<br>Creek at<br>Broughton<br>Vale gauge<br>(215018) | Same day                              |
|              |   | B Class                | Year 1 of this Plan | More than 9.8<br>ML/day   | (210010)   | Same day                              |
|              | Jaspers Brush<br>Creek and                    | Very Low Flow<br>Class | Year 1 of this Plan | No visible flow   | Causeway<br>Culvert on                                       | Same day                              |
|              | Tributaries<br>Management<br>Zone             | A Class                | Year 1 of this Plan | Visible flow  | Martinvale<br>Road   | Same day                              |

| Column 1                         | Column 2                                   | Column 3               | Column 4            | Column 5   | Column 6  | Column 7                              |
|----------------------------------|--|------------------------|---------------------|--|---|---------------------------------------|
| Water Source                     | Management<br>Zone                         | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point                                  | Day on which<br>flow class<br>applies |
|                                  |  | Very Low Flow<br>Class | Year 1 of this Plan | 1 ML/day or<br>less  |   | Same day                              |
|                                  |  | Very Low Flow<br>Class | Year 6 of this Plan | 3 ML/day or<br>less  |   | Same day                              |
|                                  |  | A Class                | Year 1 of this Plan | More than 1<br>ML/day and<br>19 ML/day or<br>less  |   | Same day                              |
|                                  | Minnamurra<br>River<br>Management<br>Zone  | A Class                | Year 6 of this Plan | More than 3<br>ML/day and<br>6.4 ML/day or<br>less   | Minnamurra<br>River at<br>Browns Lane<br>gauge<br>(214010)  | Same day                              |
|                                  |  | B Class                | Year 1 of this Plan | More than 19<br>ML/day   | (214010)  | Same day                              |
|                                  |  | B Class                | Year 6 of this Plan | More than 6.4<br>ML/day and<br>19 ML/day or<br>less  |   | Same day                              |
|                                  |  | C Class                | Year 6 of this Plan | More than 19<br>ML/day   |   | Same day                              |
|                                  |  | Very Low Flow<br>Class | Year 1 of this Plan | 6.5 ML/day or<br>less on a<br>rising river or<br>4.8 ML/day or<br>less on a<br>falling river   |   | Same day                              |
| Illawarra Rivers<br>Water Source |  | Very Low Flow<br>Class | Year 6 of this Plan | 8.0 ML/day or<br>less on a<br>rising river or<br>6.5 ML/day or<br>less on a<br>falling river   |   | Same day                              |
|                                  | Macquarie<br>Rivulet<br>Management<br>Zone | A Class                | Year 1 of this Plan | More than 6.5<br>ML/day and<br>20.8 ML/day<br>or less on a<br>rising river or<br>more than 4.8<br>ML/day and<br>20.8 ML/day<br>or less on a<br>falling river | Macquarie<br>Rivulet at<br>Albion Park<br>gauge<br>(214003) | Same day                              |
|                                  |  | A Class                | Year 6 of this Plan | More than 8.0<br>ML/day and 9<br>ML/day or less<br>on a rising<br>river or more<br>than 6.5<br>ML/day and 9<br>ML/day or less<br>on a falling<br>river       |   | Same day                              |
|                                  |  | B Class                | Year 1 of this Plan | More than<br>20.8 ML/day   |   | Same day                              |
|                                  |  | B Class                | Year 6 of this Plan | More than 9<br>ML/day and<br>20.8 ML/day<br>or less  |   | Same day                              |
|                                  |  | C Class                | Year 6 of this Plan | More than<br>20.8 ML/day   |   | Same day                              |
| Upper Nepean<br>and Upstream     | Mulwaree River<br>Management               | Very Low Flow<br>Class | Year 1 of this Plan | 1 ML/day or<br>less  | Mulwaree<br>River at the                                    | Same day                              |

| Column 1                   | Column 2   | Column 3               | Column 4            | Column 5   | Column 6   | Column 7                              |
|----------------------------|--|------------------------|---------------------|--|--|---------------------------------------|
| Water Source               | Management<br>Zone                               | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point                                       | Day on which<br>flow class<br>applies |
| Warragamba<br>Water Source | Zone   | A Class                | Year 1 of this Plan | More than 1<br>ML/day  | Towers gauge<br>(2122725)  | Same day                              |
|                            |  | Very Low Flow<br>Class | Year 1 of this Plan | 1 ML/day or<br>less  |  | Same day                              |
|                            |  | Very Low Flow<br>Class | Year 6 of this Plan | 2 ML/day or<br>less  |  | Same day                              |
|                            | Linner   | A Class                | Year 1 of this Plan | More than 1<br>ML/day  | Wollondilly  | Same day                              |
|                            | Upper<br>Wollondilly River<br>Management<br>Zone | A Class                | Year 6 of this Plan | More than 2<br>ML/day and 6<br>ML/day or less  | River at<br>Murrays Flat<br>gauge                                | Same day                              |
|                            | 2010   | B Class                | Year 6 of this Plan | More than 6<br>ML/day and<br>33 ML/day or<br>less  | (2122711)  | Same day                              |
|                            |  | C Class                | Year 6 of this Plan | More than 33<br>ML/day   |  | Same day                              |
|                            |  | Very Low Flow<br>Class | Year 1 of this Plan | 3 ML/day or<br>less on a<br>rising river or<br>1 ML/day or<br>less on a<br>falling river     |  | Same day                              |
|                            | Lower<br>Wollondilly River                       | Very Low Flow<br>Class | Year 6 of this Plan | 5 ML/day or<br>less on a<br>rising river or<br>3 ML/day or<br>less on a<br>falling river     | Wollondilly<br>River at  | Same day                              |
|                            | Management<br>Zone                               | A Class                | Year 1 of this Plan | More than 3<br>ML/day on a<br>rising river or<br>more than 1<br>ML/day on a<br>falling river | Golden Valley<br>gauge<br>(212271)                               | Same day                              |
|                            |  | A Class                | Year 6 of this Plan | More than 5<br>ML/day on a<br>rising river or<br>more than 3<br>ML/day on a<br>falling river |  | Same day                              |
|                            |  | Very Low Flow<br>Class | Year 1 of this Plan | 6 ML/day or<br>less  |  | Same day                              |
|                            |  | Very Low Flow<br>Class | Year 6 of this Plan | 9 ML/day or<br>less  |  | Same day                              |
|                            | llasses  | A Class                | Year 1 of this Plan | More than 6<br>ML/day and<br>32 ML/day or<br>less  |  | Same day                              |
|                            | Upper<br>Wingecarribee<br>River<br>Management    | A Class                | Year 6 of this Plan | More than 9<br>ML/day and<br>14 ML/day or<br>less  | Wingecarribee<br>River at Bong<br>Bong Weir<br>gauge<br>(212021) | Same day                              |
|                            | Zone   | B Class                | Year 1 of this Plan | More than 32<br>ML/day   | (212031)   | Same day                              |
|                            |  | B Class                | Year 6 of this Plan | More than 14<br>ML/day and<br>32 ML/day or<br>less   |  | Same day                              |
|                            |  | C Class                | Year 6 of this Plan | More than 32<br>ML/day   | 1  | Same day                              |

| Column 1     | Column 2  | Column 3               | Column 4            | Column 5   | Column 6   | Column 7                              |
|--------------|---|------------------------|---------------------|--|--|---------------------------------------|
| Water Source | Management<br>Zone                                    | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point                                   | Day on which<br>flow class<br>applies |
|              |   | Very Low Flow<br>Class | Year 1 of this Plan | 16 ML/day or<br>less on a<br>rising river or<br>12 ML/day or<br>less on a<br>falling river   |  | Same day                              |
|              |   | Very Low Flow<br>Class | Year 6 of this Plan | 16 ML/day or<br>less   |  | Same day                              |
|              | Lower<br>Wingecarribee<br>River<br>Management<br>Zone | A Class                | Year 1 of this Plan | More than 16<br>ML/day and<br>63 ML/day or<br>less on a<br>rising river or<br>more than 12<br>ML/day and<br>63 ML/day or<br>less on a<br>falling river   | Wingecarribee<br>River at<br>Greenstead<br>gauge<br>(212009) | Same day                              |
|              |   | A Class                | Year 6 of this Plan | More than 16<br>ML/day and<br>24 ML/day or<br>less   |  | Same day                              |
|              |   | B Class                | Year 1 of this Plan | More than 63<br>ML/day   |  | Same day                              |
|              |   | B Class                | Year 6 of this Plan | More than 24<br>ML/day and<br>63 ML/day or<br>less   | -  | Same day                              |
|              |   | C Class                | Year 6 of this Plan | More than 63<br>ML/day   |  | Same day                              |
|              | Nattai River  | Very Low Flow<br>Class | Year 1 of this Plan | 2.5 ML/day or less   | Nattai River at<br>the Crags                                 | Same day                              |
|              | Management<br>Zone                                    | A Class                | Year 1 of this Plan | More than 2.5<br>ML/day  | gauge<br>(2122801)   | Same day                              |
|              | Little River<br>Management                            | Very Low Flow<br>Class | Year 1 of this Plan | 3 ML/day or<br>less  | Little River at<br>the Fire Road                             | Same day                              |
|              | Zone  | A Class                | Year 1 of this Plan | More than 3<br>ML/day  | W41 gauge<br>(2122809)                                       | Same day                              |
|              | Werriberri Creek                                      | Very Low Flow<br>Class | Year 1 of this Plan | 2 ML/day or<br>less  | Werriberri<br>Creek at                                       | Same day                              |
|              | Management<br>Zone                                    | A Class                | Year 1 of this Plan | More than 2<br>ML/day  | Werombi<br>gauge<br>(212244)                                 | Same day                              |
|              | Maldon Weir<br>Management<br>Zone                     | Very Low Flow<br>Class | Year 1 of this Plan | The volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7), when<br>the volume is<br>greater than<br>zero and the<br>stage of the<br>Maldon Weir<br>is less than<br>the signal<br>stage | Nepean River<br>at Maldon<br>Weir gauge<br>(212208)          | Same day                              |

| Column 1     | Column 2                          | Column 3               | Column 4            | Column 5  | Column 6   | Column 7                              |
|--------------|-----------------------------------|------------------------|---------------------|---|--|---------------------------------------|
| Water Source | Management<br>Zone                | Flow Class             | Commencement        | Flow<br>(ML/day)  | Flow<br>Reference<br>Point   | Day on which<br>flow class<br>applies |
|              |                                   | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class   |  | Same day                              |
|              | Maguires<br>Crossing              | Very Low Flow<br>Class | Year 1 of this Plan | 14 ML/day or<br>less  | Nepean River<br>at Maguires  | Same day                              |
|              | Management<br>Zone                | A Class                | Year 1 of this Plan | More than 14<br>ML/day  | Crossing<br>gauge<br>(212209)                                      | Same day                              |
|              |                                   | Very Low Flow<br>Class | Year 1 of this Plan | 0.4 ML/day or<br>less on a<br>rising river or<br>0.3 ML/day or<br>less on a<br>falling river  |  | Same day                              |
|              | Stonequarry<br>Creek              | Very Low Flow<br>Class | Year 6 of this Plan | 0.7 ML or less<br>on a rising<br>river or 0.6<br>ML/day or less<br>on a falling<br>river  | Stonequarry<br>Creek at  | Same day                              |
|              | Management<br>Zone                | A Class                | Year 1 of this Plan | More than 0.4<br>ML/day on a<br>rising river or<br>more than 0.3<br>ML/day on a<br>falling river  | Picton gauge<br>(212053)   | Same day                              |
|              |                                   | A Class                | Year 6 of this Plan | More than 0.7<br>ML/day on a<br>rising river or<br>more than 0.6<br>ML/day on a<br>falling river  |  | Same day                              |
|              |                                   | Very Low Flow<br>Class | Year 1 of this Plan | 4 ML/day or<br>less on a<br>rising river or<br>2 ML/day or<br>less on a<br>falling river  |  | Same day                              |
|              | Wywandy<br>Management<br>Zone     | A Class                | Year 1 of this Plan | More than 4<br>ML/day and 6<br>ML/day or less<br>on a rising<br>river or more<br>than 2 ML/day<br>and 6 ML/day<br>or less on a<br>falling river | Coxs River at<br>Wallerawang<br>Power Station<br>gauge<br>(212054) | Same day                              |
|              |                                   | B Class                | Year 1 of this Plan | More than 6<br>ML/day and<br>14 ML/day or<br>less   |  | Same day                              |
|              |                                   | C Class                | Year 1 of this Plan | More than 14<br>ML/day  |  | Same day                              |
|              | Dharabuladh<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | 17 ML/day or<br>less on a<br>rising river or<br>15 ML/day or<br>less on a<br>falling river  | Coxs River at<br>Island Hill<br>gauge<br>(212045)                  | Same day                              |

| Column 1   | Column 2                            | Column 3               | Column 4            | Column 5  | Column 6  | Column 7                              |
|--|-------------------------------------|------------------------|---------------------|---|---|---------------------------------------|
| Water Source   | Management<br>Zone                  | Flow Class             | Commencement        | Flow<br>(ML/day)  | Flow<br>Reference<br>Point  | Day on which<br>flow class<br>applies |
|  |                                     | A Class                | Year 1 of this Plan | More than 17<br>ML/day and<br>28 ML/day or<br>less on a<br>rising river or<br>more than 15<br>ML/day and<br>28 ML/day or<br>less on a<br>falling river  |   | Same day                              |
|  |                                     | B Class                | Year 1 of this Plan | More than 28<br>ML/day and<br>73 ML/day or<br>less  |   | Same day                              |
|  |                                     | C Class                | Year 1 of this Plan | More than 73<br>ML/day and<br>87 ML/day or<br>less  |   | Same day                              |
|  |                                     | D Class                | Year 1 of this Plan | More than 87<br>ML/day  |   | Same day                              |
| Hawkesbury<br>and Lower<br>Nepean Rivers<br>Water Source | Menangle Weir<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | The sum of<br>the volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7) and<br>Broughtons<br>Pass Weir<br>under clause<br>32 (8), when<br>the sum is<br>greater than<br>zero, and the<br>stage of the<br>Menangle<br>Weir is less<br>than the signal<br>stage | Nepean River<br>at Sydney<br>Catchment<br>Auhority's<br>Menangle<br>Weir stage<br>gauge | Same day                              |
|  |                                     | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class   |   | Same day                              |

| Column 1     | Column 2                           | Column 3               | Column 4            | Column 5   | Column 6  | Column 7                              |
|--------------|------------------------------------|------------------------|---------------------|--|---|---------------------------------------|
| Water Source | Management<br>Zone                 | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point  | Day on which<br>flow class<br>applies |
|              | Camden Weir<br>Management<br>Zone  | Very Low Flow<br>Class | Year 1 of this Plan | The sum of<br>the volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7) and<br>Broughtons<br>Pass Weir<br>under clause<br>32 (8), when<br>the sum is<br>greater than<br>zero, and the<br>stage of the<br>Camden Weir<br>is less than<br>the signal<br>stage  | Nepean River<br>at Sydney<br>Catchment<br>Auhority's<br>Camden Weir<br>stage gauge  | Same day                              |
|              |                                    | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class  |   | Same day                              |
|              | Sharpes Weir<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | The sum of<br>the volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7) and<br>Broughtons<br>Pass Weir<br>under clause<br>32 (8), when<br>the sum is<br>greater than<br>zero, and the<br>stage of the<br>Sharpes Weir<br>is less than<br>the signal<br>stage | Nepean River<br>at Sydney<br>Catchment<br>Auhority's<br>Sharpes Weir<br>stage gauge | Same day                              |
|              |                                    | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class  |   | Same day                              |

| Column 1     | Column 2   | Column 3               | Column 4            | Column 5  | Column 6  | Column 7                              |
|--------------|--|------------------------|---------------------|---|---|---------------------------------------|
| Water Source | Management<br>Zone                                 | Flow Class             | Commencement        | Flow<br>(ML/day)  | Flow<br>Reference<br>Point  | Day on which<br>flow class<br>applies |
|              | Cobbity Weir<br>Management<br>Zone                 | Very Low Flow<br>Class | Year 1 of this Plan | The sum of<br>the volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7) and<br>Broughtons<br>Pass Weir<br>under clause<br>32 (8), when<br>the sum is<br>greater than<br>zero, and the<br>stage of the<br>Cobbity Weir<br>is less than<br>the signal<br>stage              | Nepean River<br>at Sydney<br>Catchment<br>Auhority's<br>Cobbity Weir<br>stage gauge                 | Same day                              |
|              |  | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class   |   | Same day                              |
|              | Mount Hunter<br>Rivulet Weir<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | The sum of<br>the volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7) and<br>Broughtons<br>Pass Weir<br>under clause<br>32 (8), when<br>the sum is<br>greater than<br>zero, and the<br>stage of the<br>Mount Hunter<br>Rivulet Weir is<br>less than the<br>signal stage | Nepean River<br>at Sydney<br>Catchment<br>Auhority's<br>Mount Hunter<br>Rivulet Weir<br>stage gauge | Same day                              |
|              |  | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class   |   | Same day                              |

| Column 1     | Column 2                                    | Column 3               | Column 4            | Column 5   | Column 6   | Column 7                              |
|--------------|---|------------------------|---------------------|--|--|---------------------------------------|
| Water Source | Management<br>Zone                          | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point   | Day on which<br>flow class<br>applies |
|              | Brownlow Hill<br>Weir<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | The sum of<br>the volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7) and<br>Broughtons<br>Pass Weir<br>under clause<br>32 (8), when<br>the sum is<br>greater than<br>zero, and the<br>stage of the<br>Brownlow Hill<br>Weir is less<br>than the signal<br>stage | Nepean River<br>at Sydney<br>Catchment<br>Auhority's<br>Brownlow Hill<br>Weir stage<br>gauge | Same day                              |
|              |   | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class  |  | Same day                              |
|              | Theresa Park<br>Weir<br>Management<br>Zone  | Very Low Flow<br>Class | Year 1 of this Plan | The sum of<br>the volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7) and<br>Broughtons<br>Pass Weir<br>under clause<br>32 (8), when<br>the sum is<br>greater than<br>zero, and the<br>stage of the<br>Theresa Park<br>Weir is less<br>than the signal<br>stage  | Nepean River<br>at Sydney<br>Catchment<br>Auhority's<br>Theresa Park<br>Weir stage<br>gauge  | Same day                              |
|              |   | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class  |  | Same day                              |

| Column 1     | Column 2                                    | Column 3               | Column 4            | Column 5  | Column 6   | Column 7                              |
|--------------|---|------------------------|---------------------|---|--|---------------------------------------|
| Water Source | Management<br>Zone                          | Flow Class             | Commencement        | Flow<br>(ML/day)  | Flow<br>Reference<br>Point   | Day on which<br>flow class<br>applies |
|              | Wallacia Weir<br>Management<br>Zone         | Very Low Flow<br>Class | Year 1 of this Plan | The sum of<br>the volume of<br>water<br>released in<br>the prior 24-<br>hour period<br>from<br>Pheasants<br>Nest Weir<br>under clause<br>32 (7) and<br>Broughtons<br>Pass Weir<br>under clause<br>32 (8), when<br>the sum is<br>greater than<br>zero, and the<br>stage of the<br>Wallacia Weir<br>is less than<br>the signal<br>stage | Nepean River<br>at Sydney<br>Catchment<br>Auhority's<br>Wallacia Weir<br>stage gauge | Same day                              |
|              |   | A Class                | Year 1 of this Plan | All times when<br>flows are not<br>in the Very<br>Low Flow<br>Class   |  | Same day                              |
|              | Lower Nepean<br>River<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | The Very Low<br>Flow Class as<br>defined in<br>clause 56 (6)  |  | Same day                              |
|              |   | Very Low Flow<br>Class | Year 6 of this Plan | The Very Low<br>Flow Class as<br>defined in<br>clause 56 (7)  |  | Same day                              |
|              |   | A Class                | Year 1 of this Plan | A Class is<br>defined as<br>clause 56 (8)   | Nepean River<br>at Yarramundi<br>gauge   | Same day                              |
|              |   | A Class                | Year 6 of this Plan | A Class as<br>defined as<br>clause 56 (9)   | (2122001)  | Same day                              |
|              |   | B Class                | Year 1 of this Plan | B Class as<br>defined as<br>clause 56 10)   |  | Same day                              |
|              |   | B Class                | Year 6 of this Plan | B Class as<br>defined as<br>clause 56 (11)  |  | Same day                              |
|              | Warragamba<br>River<br>Management<br>Zone   | Very Low Flow<br>Class | Year 1 of this Plan | From 1<br>November to<br>31 March, 30<br>ML/day or<br>less.<br>From 1 April<br>to 31 October,<br>22 ML/day or<br>less   | Discharge<br>point from<br>Warragamba<br>Dam into<br>Megarritys<br>Creek             | Same day                              |

| Column 1     | Column 2   | Column 3               | Column 4            | Column 5  | Column 6   | Column 7                              |
|--------------|--|------------------------|---------------------|---|--|---------------------------------------|
| Water Source | Management<br>Zone                                     | Flow Class             | Commencement        | Flow<br>(ML/day)  | Flow<br>Reference<br>Point                           | Day on which<br>flow class<br>applies |
|              |  | A Class                | Year 1 of this Plan | From 1<br>November to<br>31 March,<br>more than 30<br>ML/day.<br>From 1 April<br>to 31 October,<br>more than 22<br>ML/day |  | Same day                              |
|              |  | Very Low Flow<br>Class | Year 1 of this Plan | 30 ML/day or<br>less on a<br>rising river or<br>24 ML/day or<br>less on a<br>falling river                                |  | Same day                              |
|              | Grose River  | Very Low Flow<br>Class | Year 6 of this Plan | 30 ML/day or<br>less  | Grose River at<br>Burralow                           | Same day                              |
|              | Management<br>Zone                                     | A Class                | Year 1 of this Plan | More than 30<br>ML/day on a<br>rising river or<br>more than 24<br>ML/day on a<br>falling river                            | gauge<br>(212291)                                    | Same day                              |
|              |  | A Class                | Year 6 of this Plan | More than 30<br>ML/day  |  | Same day                              |
|              |  | Very Low Flow<br>Class | Year 1 of this Plan | 24 ML/day or<br>less  |  | Same day                              |
|              | Colo River<br>Management<br>Zone                       | A Class                | Year 1 of this Plan | More than 24<br>ML/day and<br>244 ML/day or<br>less   | Colo River at<br>Upper Colo<br>gauge<br>(212290)     | Same day                              |
|              |  | B Class                | Year 1 of this Plan | More than 244<br>ML/day   |  | Same day                              |
|              |  | Very Low Flow<br>Class | Year 1 of this Plan | 2 ML/day or<br>less   |  | Same day                              |
|              | Capertee River<br>Management<br>Zone                   | A Class                | Year 1 of this Plan | More than 2<br>ML/day and<br>11 ML/day or<br>less   | Capertee<br>River at Glen<br>Davis gauge<br>(212018) | Same day                              |
|              |  | B Class                | Year 1 of this Plan | More than 11<br>ML/day  |  | Same day                              |
|              | Upper<br>Hawkesbury<br>River (Grose<br>River to South  | Very Low Flow<br>Class | Year 1 of this Plan | The Very Low<br>Flow Class as<br>defined in<br>clause 56 (13)   | Gauges as<br>specified in<br>clause 56 (13)          | Same day                              |
|              | Creek)<br>Management<br>Zone                           | A Class                | Year 1 of this Plan | A Class as<br>defined in<br>clause 56 (14)  | – (14)   | Same day                              |
|              | Upper<br>Hawkesbury<br>River (South<br>Creek to Cattai | Very Low Flow<br>Class | Year 1 of this Plan | The Very Low<br>Flow Class as<br>defined in<br>clause 56 (15)   | Gauges as<br>specified in<br>clause 56 (15)          | Same day                              |
|              | Creek)<br>Management<br>Zone                           | A Class                | Year 1 of this Plan | A Class as<br>defined in<br>clause 56 (16)  | – (16)   | Same day                              |
|              | Upper<br>Hawkesbury<br>River (Cattai<br>Creek to Colo  | Very Low Flow<br>Class | Year 1 of this Plan | The Very Low<br>Flow Class as<br>defined in<br>clause 56 (17)   | Gauges as<br>specified in<br>clause 56 (17)          | Same day                              |
|              | River)<br>Management<br>Zone                           | A Class                | Year 1 of this Plan | A Class as<br>defined in<br>clause 56 (18)  | – (18)   | Same day                              |

| Column 1                                  | Column 2   | Column 3               | Column 4            | Column 5   | Column 6  | Column 7   |          |
|---|--|------------------------|---------------------|--|---|--|----------|
| Water Source                              | Management<br>Zone                                 | Flow Class             | Commencement        | Flow<br>(ML/day)   | Flow<br>Reference<br>Point  | Day on which<br>flow class<br>applies                            |          |
|   | Lower<br>Hawkesbury<br>River<br>Management<br>Zone | Very Low Flow<br>Class | Year 1 of this Plan | The Very Low<br>Flow Class as<br>defined in<br>clause 56 (19)  | Gauges as<br>specified in<br>clause 56 (19)                           | Same day   |          |
|   |  |                        | A Class             | Year 1 of this Plan  | A Class as<br>defined in<br>clause 56 (20)                            | – (20)   | Same day |
|   |  | Very Low Flow<br>Class | Year 1 of this Plan | 1 ML/day or<br>less  |   | Same day   |          |
|   | Macdonald<br>River<br>Management<br>Zone           | River                  | A Class             | Year 1 of this Plan  | More than 1<br>ML/day and<br>16 ML/day or<br>less                     | MacDonald<br>River at St<br>Albans gauge<br>(212228)             | Same day |
|   |  | B Class                | Year 1 of this Plan | More than 16<br>ML/day   |   | Same day   |          |
|   |  | Very Low Flow<br>Class | Year 1 of this Plan | 0.2 ML/day or<br>less  | South Creek   | Same day   |          |
|   | Upper South<br>Creek<br>Management<br>Zone         | A Class                | Year 1 of this Plan | More than 0.2<br>ML/day and<br>6.2 ML/day or<br>less   | at the Great<br>Western<br>Highway<br>gauge                           | Same day   |          |
|   |  | B Class                | Year 1 of this Plan | More than 6.2<br>ML/day  | (212048)  | Same day   |          |
|   |  | Very Low Flow<br>Class | Year 1 of this Plan | 3 ML/day or<br>less  |   | Same day   |          |
|   | Lower South<br>Creek<br>Management<br>Zone         | A Class                | Year 1 of this Plan | More than 3<br>ML/day and<br>58 ML/day or<br>less  | South Creek<br>at Richmond<br>Road gauge<br>(212297)                  | Same day   |          |
|   |  | B Class                | Year 1 of this Plan | More than 58<br>ML/day   |   | Same day   |          |
|   |  | Very Low Flow<br>Class | Year 1 of this Plan | 3 ML/day or<br>less  | Cattai Creek  | Same day   |          |
|   | Cattai Creek<br>Management<br>Zone                 | Management             | A Class             | Year 1 of this Plan  | More than 3<br>ML/day and<br>15 ML/day or<br>less                     | at Cattal Creek<br>at Cattai<br>Ridge Road<br>gauge<br>(2122951) | Same day |
|   |  | B Class                | Year 1 of this Plan | More than 15<br>ML/day   | (2122331)   | Same day   |          |
| Southern<br>Sydney Rivers<br>Water Source | Lower Woronora<br>River<br>Management<br>Zone      | Very Low Flow<br>Class | Year 1 of this Plan | 1. Where<br>releases are<br>being made<br>under clause<br>36, when<br>flows are less<br>than those<br>releases,<br>or<br>2. When<br>releases are<br>not being<br>made under<br>clause 36 | Points for<br>determining<br>releases as<br>specified in<br>clause 36 | Same day   |          |
|   |  | A Class                | Year 1 of this Plan | Where<br>releases are<br>being made<br>under clause<br>36, when<br>flows are<br>more than<br>those releases  |   | Same day   |          |

| Column 1                                  | Column 2   | Column 3               | Column 4            | Column 5  | Column 6   | Column 7                              |  |          |
|---|--|------------------------|---------------------|---|--|---------------------------------------|--|----------|
| Water Source                              | Management<br>Zone   | Flow Class             | Commencement        | Flow<br>(ML/day)                                      | Flow<br>Reference<br>Point                                 | Day on which<br>flow class<br>applies |  |          |
|   | Lower Georges<br>River and<br>Bunbury Curran<br>Creek<br>Management<br>Zone<br>Cabramatta<br>Creek<br>Management<br>Zone<br>Prospect Creek<br>Management<br>Zone |                        |                     | Very Low Flow<br>Class                                | Year 1 of this Plan  | 0.25 ML/day<br>or less                |  | Same day |
|   |  | Very Low Flow<br>Class | Year 6 of this Plan | 0.3 ML/day or<br>less                                 | Bunbury<br>Curran Creek<br>at Railway                      | Same day                              |  |          |
|   |  | A Class                | Year 1 of this Plan | More than<br>0.25 ML/day<br>and 5.7<br>ML/day or less |  | Same day                              |  |          |
|   |  | A Class                | Year 6 of this Plan | More than 0.3<br>ML/day and<br>5.7 ML/day or<br>less  | Parade gauge<br>(213012)                                   | Same day                              |  |          |
|   |  | B Class                | Year 1 of this Plan | More than 5.7<br>ML/day                               |  | Same day                              |  |          |
|   |  | Very Low Flow<br>Class | Year 1 of this Plan | 0.1 ML/day or<br>less                                 | Cabramatta   | Same day                              |  |          |
|   |  | A Class                | Year 1 of this Plan | More than 0.1<br>ML/day and<br>2.4 ML/day or<br>less  | Creek at<br>Orange Grove<br>gauge<br>(213011)              | Same day                              |  |          |
|   |  | B Class                | Year 1 of this Plan | More than 2.4<br>ML/day                               | (213011)   | Same day                              |  |          |
|   |  | Very Low Flow<br>Class | Year 1 of this Plan | 1.6 ML/day or<br>less                                 | Prospect<br>Creek at                                       | Same day                              |  |          |
|   |  | A Class                | Year 1 of this Plan | More than 1.6<br>ML/day                               | Smithfield<br>Road gauge<br>(213009)                       | Same day                              |  |          |
| Northern<br>Sydney Rivers<br>Water Source | Upper<br>Parramatta<br>River<br>Management<br>Zone   | Very Low Flow<br>Class | Year 1 of this Plan | 1 ML/day or<br>less                                   | Toongabbie<br>Creek at<br>Briens Road<br>gauge<br>(213005) | Same day                              |  |          |
|   |  | A Class                | Year 1 of this Plan | More than 1<br>ML/day                                 |  | Same day                              |  |          |

#### Notes.

- 1. For Shoalhaven River at Kadoona gauge (215008):
  - 5 ML/day corresponds to the estimated 98<sup>th</sup> percentile flow;
  - 10 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow;
  - 14 ML/ day corresponds to the estimated 85<sup>th</sup> percentile flow; and
  - 45 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 2. For Shoalhaven River at Warri gauge (215002):
  - 24 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 46 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow;
  - 48 ML/ day corresponds to the estimated 89<sup>th</sup> percentile flow; and
  - 63 ML/day corresponds to the estimated 85<sup>th</sup> percentile flow.

- 3. For Reedy Creek at Manar gauge (215238):
  - 0.2 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow; and
  - 0.6 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow.
- For Boro Creek at Marlowe gauge (215239), 3.2 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow.
- 5. For Mongarlowe River at Mongarlowe gauge (215210):
  - 7.6 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow; and
  - 12.8 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow.
- 6. For Corang River at Hockeys gauge (215004):
  - 0.6 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow; and
  - 2 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow.
- For Bungonia Creek at Bungonia gauge (215014), 0.2 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow.
- 8. For Shoalhaven River at Fossickers Flat gauge (215207):
  - 40 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow; and
  - 77 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow.
- 9. For Kangaroo River at Hampden Bridge gauge (215220):
  - 7 ML/day corresponds to the estimated 98<sup>th</sup> percentile flow;
  - 30 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow; and
  - 118 ML/day corresponds to the estimated 63<sup>rd</sup> percentile flow.
- 10. For Yarrunga Creek at Wildes Meadow gauge (215233), 0.4 ML/day corresponds to the estimated 98<sup>th</sup> percentile flow.
- 11. For Shoalhaven River at Grassy Gully No. 2 gauge (215216), 69 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow.
- 12. For Bomaderry Creek at Bomaderry gauge (215016):
  - 0.4 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 1 ML/day corresponds to the estimated 75<sup>th</sup> percentile flow.
- 13. For Broughton Creek at Broughton Vale gauge (215018) :
  - 1.8 ML/day corresponds to the estimated 87<sup>th</sup> percentile flow; and
  - 9.8 ML/day corresponds to the estimated 51<sup>st</sup> percentile flow.

- 14. For Minnamurra River at Browns Lane gauge (214010):
  - 1 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 3 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow;
  - 6.4 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 19 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 15. For Macquarie Rivulet at Albion Park gauge (214003):
  - 4.8 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 6.5 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow;
  - 8.0 ML/day corresponds to the estimated 85<sup>th</sup> percentile flow;
  - 9.0 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 20.8 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 16. For Mulwaree River at the Towers gauge (2122725), 1 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow.
- 17. For Wollondilly River at Murrays Flat gauge (2122711):
  - 1 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 2 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow;
  - 6 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 33 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 18. For Wollondilly River at Golden Valley gauge (212271):
  - 1 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 3 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow; and
  - 5 ML/day corresponds to the estimated 85<sup>th</sup> percentile flow.
- 19. For Wingecarribee River at Bong Bong Weir gauge (212031):
  - 6 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 9 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow;
  - 14 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 32 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 20. For Wingecarribee River at Greenstead gauge (212009):

- 12 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
- 16 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow;
- 24 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
- 63 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 21. For Natti River at the Crags gauge (2122801), 2.5 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow.
- For Little River at the Fire Road W41 gauge (2122809), 3 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow.
- For Werriberri Creek at Werombi gauge (212244), 2 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow.
- 24. For Nepean River at Maguires Crossing gauge (212209), 14 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow.
- 25. For Stonequarry Creek at Picton gauge (212053):
  - 0.3 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 0.4 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow;
  - 0.6 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 0.7 ML/day corresponds to the estimated 75<sup>th</sup> percentile flow.
- 26. For Coxs River at Wallerawang Power Station gauge (212054):
  - 2 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 4 ML/day corresponds to the estimated 93<sup>rd</sup> percentile flow;
  - 6 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow; and
  - 14 ML/day corresponds to the estimated 74<sup>th</sup> percentile flow.
- 27. For Coxs River at Island Hill gauge (212045):
  - 15 ML/day corresponds to the estimated 94<sup>th</sup> percentile flow;
  - 17 ML/day corresponds to the estimated 93<sup>rd</sup> percentile flow;
  - 28 ML/day corresponds to the estimated 86<sup>th</sup> percentile flow;
  - 73 ML/day corresponds to the estimated 56<sup>th</sup> percentile flow; and
  - 87 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 28. For Grose River at Burralow gauge (212291):
  - 24 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow; and

- 30 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow.
- 29. For Colo River at Upper Colo gauge (212290):
  - 24 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow; and
  - 244 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 30. For Capertee River at Glen Davis gauge (212018):
  - 2 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 11 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 31. For MacDonald River at St Albans gauge (212228):
  - 1 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 16 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 32. For South Creek at the Great Western Highway gauge (212048):
  - 0.2 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow; and
  - 6.2 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 33. For South Creek at Richmond Road gauge (212297):
  - 3 ML/day corresponds to the estimated 80<sup>th</sup> percentile flow; and
  - 58 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 34. For Cattai Creek at Cattai Ridge Road gauge (2122951):
  - 3 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow; and
  - 15 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 35. For Bunbury Curran Creek at Railway Parade gauge (213012):
  - 0.25 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow;
  - 0.3 ML/day corresponds to the estimated 90<sup>th</sup> percentile flow; and
  - 5.7 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 36. For Cabramatta Creek at Orange Grove gauge (213011):
  - 0.1 ML/day corresponds to the estimated 85<sup>th</sup> percentile flow; and
  - 2.4 ML/day corresponds to the estimated 50<sup>th</sup> percentile flow.
- 37. For Prospect Creek at Smithfield Road gauge (213009), 1.6 ML/day corresponds to the estimated 95<sup>th</sup> percentile flow.

- For Toongabbie Creek at Briens Road gauge (213005), 1 ML/day corresponds to the estimated 96<sup>th</sup> percentile flow.
- 39. The flow percentiles above refer to flows at the gauge and include all days of record.

#### [29] Clause 57 Access rules for the taking of surface water

Insert after clause 57 (3):

- (3A) This clause applies to the taking of water under an access licence from these water sources, excluding the taking of water under an access licence used:
  - (a) in association with an aquifer interference activity that is an approved EP&A Act development when:
    - (i) in the Minister's opinion, there are no reasonably practicable measures the access licence holder can take to comply with the access rules under this clause; and
    - (ii) the access licence holder has a water management plan for the aquifer interference activity that has been approved in accordance with the development consent for the activity under the *Environmental Planning and Assessment Act 1979*; and
    - (iii) the water management plan includes conditions that require the return of water to the water source to mitigate the taking of water during times when the access rules apply under this clause; or
  - (b) in association with an aquifer interference activity when:
    - (i) in the Minister's opinion, there are no reasonably practicable measures the access licence holder can take to comply with the access rules under this clause; and
    - (ii) the access licence holder has a water management plan for the aquifer interference activity that has been approved by the Minister; and
    - (iii) the water management plan includes conditions that require the return of water to the water source to mitigate the taking of water during times when the access rules apply under this clause.

Note. Approved EP&A Act development is defined in the Dictionary.

#### [30] Clause 57 (5)

Omit the note to clause 57 (5). Insert instead:

#### Notes.

- 1 Those licences and access rules that have been identified as being higher than the upper limit of the relevant Very Low Flow Class are referred to in Appendix 4.
- 2 Water Act 1912 entitlement is defined in the Dictionary.

#### [31] Clause 57 (5) (e)

Insert at the end of clause 57 (5) (d):

; and

(e) Kangaroo River Management Zone in the Shoalhaven River Water Source.

#### [32] Clause 57 (5A)

Insert after clause 57 (5):

(5A) The cease to take condition that arises from subclause (5) applies to all water supply works that are nominated by the access licence following a dealing under section 71S or 71W of the Act.

#### Notes.

- 1 This will include, for example, all water supply works that are nominated by the access licence following a dealing under section 71S or 71W of the Act.
- 2 **Cease to take condition** is defined in the Dictionary.

#### [33] Clause 57 (13) - (14)

Omit clause 57 (13) - (14). Insert instead:

- (13) Water must not be taken under an access licence from:
  - (a) an in-river dam pool, or
  - (b) a runoff harvesting dam pool,

created by a structure authorised by a water supply work approval, when flows or storage levels in that pool are at or less than a cease to take condition that was specified on the

Water Act 1912 entitlement that the access licence replaces.

Note. In-river dam pool is defined in the Dictionary.

- (14) Water must not be taken from an in-river dam pool unless the in-river dam is:
  - (a) constructed, operated and maintained in accordance with any conditions specified on the water supply work approval for the in-river dam; and
  - (b) passing such flows in such circumstances as are specified on the water supply work approval for the in-river dam.

Note. In-river dam is defined in the Dictionary.

#### [34] Clause 57 (16)

Omit the subclause and the note to the subclause. Insert instead:

(16) Subject to subclause (19), water must not be taken under an access licence which nominates a water supply work approval that may be used to take water from natural pools, lagoons or lakes in water sources or management zones in which flow classes have not been established, when the water level in that pool, lagoon or lake is less than 100% of the full containment volume of the respective pool, lagoon or lake as determined by the Minister. This subclause does not apply to off-river pools in the Kangaroo River Management Zone.

Note. Full containment volume and off-river pool are defined in the Dictionary.

#### [35] Clause 57 (16A)

Insert after clause 57 (16):

(16A) Subject to subclause (19), water must not be taken under an access licence with a share component that nominates the Kangaroo River Management Zone from an off-river pool when the volume of that pool is less than the full containment volume of the pool.

#### [36] Clause 57 (19)

Omit clause 57 (19) (a) - (c). Insert instead:

(a) the taking of water under an access licence to which clause 1 of Schedule 2 applies or an access licence which replaces a Water Act 1912 entitlement to which clause 1 of Schedule 2 applies, for any of the purposes listed below, provided that water

taken does not exceed 20 kilolitres per day per access licence or such lower amount specified on the access licence in accordance with subclause (20):

- (i) fruit washing;
- (ii) cleaning of dairy plant and equipment for the purpose of hygiene;
- (iii) poultry watering and misting; or
- (iv) cleaning of enclosures used for intensive animal production for hygiene purposes;
- (b) the taking of water for domestic consumption only under a domestic and stock access licence or a domestic and stock (subcategory "domestic") access licence that existed at the commencement of this Plan excluding an access licence with an extraction component that specifies the Kangaroo River Management Zone in the Shoalhaven River Water Source, provided that the volume of water taken does not exceed 1 kilolitre per house supplied by the access licence per day;
- (b1) the taking of water for domestic consumption only under a domestic and stock access licence or a domestic and stock (subcategory "domestic") access licence:
  - (i) that existed at the commencement of the *Water Sharing Plan for the Kangaroo River Water Source 2003;* and
  - (ii) with an extraction component that specifies the Kangaroo River Management Zone in the Shoalhaven River Water Source;

provided that the volume of water taken does not exceed 1 kilolitre per house supplied by the access licence per day;

**Note.** The Water Sharing Plan for the Kangaroo River Water Source 2003 commenced on 1 July 2004.

(c) the taking of water for stock watering only under a domestic and stock access licence or a domestic and stock (subcategory "stock") access licence that existed at the commencement of this Plan, for the first 3 years of this Plan, provided the volume of water taken does not exceed 14 litres per hectare of grazeable area per day. This paragraph does not apply to access licences with an extraction

component that specifies the Kangaroo River Management Zone;

Note. Grazeable area is defined in the Dictionary.

#### [37] Clause 57 (20) and (21)

Omit the subclauses. Insert instead:

(20) The Minister may reduce the maximum daily volume limit imposed by the rule under subclause (19) (a) if the Minister is satisfied that the reduced volume is satisfactory to meet the purpose referred to in that subclause.

**Note.** The method by which the Minister can reduce the maximum daily volume limit is by amending the mandatory conditions of the relevant water supply work approval. Under section 102 (3) of the Act, the mandatory conditions of an approval may be imposed, amended, revoked or suspended by the Minister whenever it is necessary to do so in order to enable compliance with or to give effect to a relevant management plan.

(21) The Minister is to complete a review of the volume of water required under subclause (19) (f) by the end of Year 5 of this Plan. From Year 6 of this Plan, the access to water provided by subclause (19) (f) will be removed if hydrologic modelling and analysis shows that the access is not necessary for the ongoing viability of the irrigation industries in the Hawkesbury and Lower Nepean Rivers Water Source.

Note. Part 13 of this Plan allows for amendments to be made to this clause.

#### [38] Clause 58 Total daily extraction limits

Insert after clause 58 (8):

- (8A) TDELs are established in the Kangaroo River Management Zone in the Shoalhaven River Water Source for each flow class as follows:
  - (a) 18.04 ML/day for A class;
  - (b) 39.98 ML/day for B class; and
  - (c) 48.02 ML/day for C class.

#### [39] Clause 58 (9)

Omit "(5) and (7)" from the subclause. Insert instead: "(5), (7) and (8A)".

#### [40] Clause 59 (3) (g) – (i)

Insert after clause 59 (3) (f):

(g) in the Kangaroo River Management Zone, for A Class:

;

- (i) 0.27 ML/day for domestic and stock access licences;
- (ii) 0.31 ML/day for local water utility access licences; and
- (iii) 17.46 ML/day for unregulated river access licences;
- (h) in the Kangaroo River Management Zone, for B Class:
  - (i) 0.5 ML/day for domestic and stock access licences;
  - (ii) 0.68 ML/day for local water utility access licences; and
  - (iii) 38.8 ML/day for unregulated river access licences;
- (i) in the Kangaroo River Management Zone, for C Class:
  - (i) 0.6 ML/day for domestic and stock access licences;
  - (ii) 0.86 ML/day for local water utility access licences; and
  - (ii) 46.56 ML/day to unregulated river access licences.

#### [41] Clause 60 Individual daily extraction limits

Omit "or Wallacia Weir Management Zone" at the end of clause 60 (2). Insert instead: ", Wallacia Weir Management Zone or Kangaroo River Management Zone."

#### [42] Clause 62 Granting or amending water supply work approvals

Omit "in the" from clause 62 (5) (a) (xii).

#### [43] Clause 62 (5) (a)

Insert after clause 62 (5) (a) (xiv):

; and

(xv) Kangaroo River Management Zone;

#### [44] Clause 65 Assignment of rights dealings (within water sources)

Omit from the clause title "(within water sources)".

#### [45] Clause 65 (2)

Insert "within the same water source" after "Act".

#### [46] Clause 65 (2)

Insert "in these water sources" after "prohibited".

#### [47] Clause 65 (2) (bbb)

Insert at the end of clause 65 (2) (bbb)

; or

- (ccc) from an access licence with an extraction component that does not specify the Kangaroo River Management Zone in the Shoalhaven River Water Source to an access licence with an extraction component that specifies the Kangaroo River Management Zone in the Shoalhaven River Water Source;
- (ddd) from an access licence that does not nominate a water supply work in the escarpment zone below the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source to an access licence that does nominate a water supply work located in the escarpment zone above the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source (*Kangaroo River Upper Escarpment Zone*), if it would cause the sum of the share components of all access licences nominating works in the escarpment zone above the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Shoalhaven River Water Source (*Kangaroo River Upper Escarpment Zone*), if it would cause the sum of the share components of all access licences nominating works in the escarpment zone above the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source to exceed 1,633;
- (eee) from an access licence that does not nominate a water supply work located on an off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source to an access licence that nominates a water supply work located on an off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source; or

(fff) from an access licence that nominates a water supply work located on an off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source to an access licence that nominates a water supply work located on another off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source.

## [48] Clause 65 (3)

Insert after clause 65 (2):

(3) Dealings under section 71Q of the Act between water sources within the same water management area are prohibited in these water sources.

#### [49] Clause 67 Amendment of extraction component dealings

Insert at the end of clause 67 (2) (dd) (ii):

(ee) an access licence with an extraction component that does not specify the Kangaroo River Management Zone in the Shoalhaven River Water Source being varied to specify an access licence with an extraction component that specifies the Kangaroo River Management Zone in the Shoalhaven River Water Source.

#### [50] Clause 68 Assignment of water allocation dealings

Insert at the end of clause 68 (2) (eee):

- (fff) from an access licence with an extraction component that does not specify the Kangaroo River Management Zone in the Shoalhaven River Water Source to an access licence with an extraction component that specifies the Kangaroo River Management Zone in the Shoalhaven River Water Source;
- (ggg) from an access licence that does not nominate a water supply work located in the escarpment zone below the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source to an access licence that nominates a water supply work located in the escarpment zone above the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source, if it would cause the sum of water allocations credited to the water allocation accounts of all access

licences nominating works in the escarpment zone above the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source to exceed 1,633;

- (hhh) from an access licence that does not nominate a water supply work located on an off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source to an access licence that nominates a water supply work located on an off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source; or
- (iii) from an access licence that nominates a water supply work located on an off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source to an access licence that nominates a water supply work located on another off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source.

#### [51] Clause 70 Nomination of water supply works dealings

Insert after clause 70 (1):

- (1A) Dealings under section 71W of the Act are prohibited if the dealing involves:
  - (a) an access licence being amended to nominate a water supply work located in a different management zone to that specified in the extraction component of the access licence, or
  - (b) an access licence being amended to nominate a water supply work located in a different water source to that specified in the share component of the access licence.

#### [52] Clause 70 (2) (ccc) – (fff)

Insert at the end of clause 70 (2) (bbb):

(ccc) an access licence that does not nominate a water supply work located in the Kangaroo River Management Zone in the Shoalhaven River Water Source being amended to nominate a water supply work located in the Kangaroo River Management Zone in the Shoalhaven River Water Source;

- (ddd) an access licence that does not nominate a water supply work located in the escarpment zone below the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source being amended to nominate a water supply work located in the escarpment zone above the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source, if it would cause the sum of the share components of all access licences nominating works in the escarpment zone above the 500 metre contour on 1:25 000 topographic maps Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo Valley 9028-4-S, Robertson 9028-4-N and Bundanoon 8928-1-S in the Kangaroo River Management Zone in the Shoalhaven River Water Source to exceed 1,633;
- (eee) an access licence that does not nominate a water supply work located on an offriver pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source being amended to nominate a water supply work located on an off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source; or
- (fff) an access licence that nominates a water supply work located on an off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source being amended to nominate a water supply work located on another off-river pool in the Kangaroo River Management Zone in the Shoalhaven River Water Source.

#### [53] Clause 70 (3)

Insert after clause 70 (2):

- (3) Dealings under section 71W of the Act that involve the interstate nomination of water supply works by access licences in these water sources are prohibited.
- (4) Dealings under section 71W of the Act that involve the nomination of water supply works by interstate access licences in these water sources are prohibited.

#### [54] Part 12 Mandatory conditions

Insert after the heading to the Part:

Note. Part 12 allows for amendments to be made to this Part.

#### [55] Clause 70A General

Omit the clause. Insert instead:

#### 70A General

In this Part:

 (a) a requirement to notify the Minister in writing will only be satisfied by writing to one of the address listed in Appendix 5 of this Plan or to the email address for the Department's Advisory Service, Water Regulation;

**Note.** At the commencement of this Plan, the email address for the Department's Advisory Service, Water Regulation is water.enquiries@dpi.nsw.gov.au.

- (b) a *metered water supply work with a data logger* means a water supply work with:
  - (i) a meter that complies with Australian Standard *AS 4747, Meters for nonurban water supply*, as may be updated or replaced from time to time; and
  - (ii) a data logger.
- (c) if the holder of a water supply work approval is the same as the holder of the access licence under which water is proposed to be taken, then it is not necessary to maintain two separate Logbooks and all the required information can be kept in one Logbook.

Note. Logbook is defined in the Dictionary.

#### [56] Clause 71 General

Omit clause 71 (1). Insert instead:

- (1) Access licences in these water sources must have mandatory conditions where required to give effect to the following:
  - (a) the relevant water allocation account management rules specified in Division 1 of Part 9 of this Plan;
  - (b) the relevant access rules for the taking of water specified in Division 2 of Part 9 of this Plan;
  - (c) the holder of the access licence upon becoming aware of a breach of any condition

of the access licence must:

- (i) notify the Minister as soon as practicable; and
- (ii) if the notification under subparagraph (i) was not in writing, confirm this notification in writing within seven days of becoming aware of the breach;
- (d) any other condition required to implement the provisions of this Plan.

## [57] Clause 71 (2) (a)

Omit "an". Insert instead "the".

## [58] Clause 71 (2) (b)

Omit "an". Insert instead "the".

[59] Clause 71 (2) (b) (i)

Omit "period of". Insert instead "start and end".

## [60] Clause 71 (4)

Omit the subclause. Insert instead:

(4) An access licence for an approved EP&A Act development must have mandatory conditions where required to give effect to the relevant access rules for the taking of water specified in Division 2 of Part 9 of this Plan.

#### [61] Clause 72 General

Omit clause 72 (1). Insert instead:

- (1) Water supply work approvals for water supply works in these water sources must have mandatory conditions where required to give effect to the following:
  - (a) when directed by the Minister by notice in writing, the approval holder must have metering equipment installed that meets the following requirements:
    - the metering equipment must accurately measure and record the flow of all water taken through the water supply work;

- (ii) the metering equipment must comply with Australian Standard AS 4747, *Meters for non-urban water supply*, as may be updated or replaced from time to time;
- (iii) the metering equipment must be operated and maintained in a proper and efficient manner at all times;
- (iv) the metering equipment must be sited and installed at a place in the pipe, channel or conduit between the water source and the first discharge outlet. There must be no flow of water out of the pipe, channel or conduit between the water source and the metering equipment;
- (v) any other requirements as to type, standard or other criteria for the metering equipment specified in the notice;

**Note.** The Minister may direct a landholder or person to install, replace or to properly maintain metering equipment under section 326 of the Act.

- (b) if a water supply work is to no longer be used permanently, then the approval holder of that work must provide the Minister with notice in writing that the approval holder intends to decommission the water supply work, at least 90 days prior to the date of commencement of decommissioning;
- (c) upon receiving notice of the intention to decommission from the approval holder under paragraph (b), the Minister may by notice in writing, require that the water supply work not be decommissioned, or that the water supply work be decommissioned in accordance with other requirements. These requirements may be specified by the Minister in a work plan;

**Note.** If a notice in writing is required from the Minister regarding the decommissioning of a water supply work, this notice will be sent to the approval holder within 60 days of the notice under paragraph (a) being sent.

- (d) if the approval holder receives a notice from the Minister under paragraph (c), the approval holder must proceed in accordance with any requirements in that notice;
- (e) if the approval holder does not receive a notice from the Minister under paragraph(c) within 60 days of providing notice of the intent to decommission under paragraph (b), the approval holder must decommission the water supply work;

- (f) within 60 days of the water supply work being decommissioned under paragraphs(d) or (e), the approval holder must notify the Minister in writing that the water supply work has been decommissioned;
- (g) upon becoming aware of a breach of any condition of the approval, the holder of the water supply work approval must:
  - (i) notify the Minister as soon as practicable; and
  - (ii) if the notification under subparagraph (i) was not in writing, confirm this notification in writing within seven days of becoming aware of the breach;
- (h) any other conditions required to implement the provisions of this Plan.

#### [62] Clause 72 (2)

Insert "or is used for the purpose of taking water under basic landholder rights only" after "data logger".

#### [63] Clause 72 (2) (b) (i)

Omit "period of". Insert instead "start and end".

#### [64] Clause 72 (18)

Insert after clause 72 (17):

(18) A water supply work approval for a surface water supply work must have mandatory conditions where required to give effect to the requirements for a replacement surface water supply work specified in or specified by the Minister in accordance with clause 62 (4).

#### [65] Clause 74 Part 1

Omit clause 74 (a). Insert instead:

 (a) apply this Plan to new or additional water sources or water management areas (including part thereof), or to modify (including to amend the boundaries) or remove an existing water source or water management area (including part thereof) from this Plan;

#### [66] Clause 76

Omit the clause. Insert instead:

## 76 Part 7

- (1) Part 7 may be amended to do any of the following:
  - (a) amend a long-term average annual extraction limit specified in clause 41 (5) in accordance with the outcomes of a review referred to in clause 44 (4);
  - (b) amend the rules for assessment of average annual extraction against the long-term average annual extraction limit under clause 43 and compliance with the long-term average annual extraction limit for an extraction management unit under clause 44;
  - (c) increase a long-term average annual extraction limit specified in clause 41 (4) for the Hawkesbury and Lower Nepean Rivers Extraction Management Unit by a maximum of 5% of Sydney Water Corporation's average annual usage to account for growth in use by Sydney Water Corporation; or
  - (d) amend a long-term average annual extraction limit for the Hawkesbury and Lower Nepean Rivers Extraction Management Unit specified in clause 41 (5) to account for average annual evaporation and other water losses from Penrith Lakes as estimated by the Minister.
- (2) Following the surrender under section 77 of the Act of an access licence and then the cancellation under section 77A (6) of the Act of an access licence in one of these water sources, the Minister may amend clause 41 to vary the long-term average annual extraction limit that applies to the EMU.

## [67] Clause 78 Part 9

Insert after "Minister" in clause 78 (k): ", excluding the Kangaroo River Management Zone in the Shoalhaven River Water Source".

#### [68] Clause 78 (gg)

Insert after "applies," in clause 78 (gg): ", excluding the Kangaroo River Management Zone in the Shoalhaven River Water Source".

#### [69] Clause 78 (aaa)

Insert after clause 78 (zz):

; or

(aaa) adjust TDELs and IDELs in the Kangaroo River Management Zone in the Shoalhaven River Water Source.

#### [70] Clause 82 Other

Insert after clause 82 (9):

- (10) This Plan may be amended to include rules for the following:
  - (a) managed aquifer recharge;

**Note.** Managed aquifer recharge schemes involve taking water such as recycled water or urban stormwater, treating it and then storing it in underground aquifers under controlled conditions. This water can then be extracted at a later time.

- (b) the management of salt interception schemes.
- (11) This Plan may be amended following the granting of a native title claim pursuant to the provisions of the *Native Title Act 1993* of the Commonwealth to give effect to an entitlement granted under that claim.
- (12) This Plan may be amended after Year 5 to provide rules for the protection of waterdependent Aboriginal cultural assets to do any of the following:
  - (a) identify water-dependent Aboriginal cultural assets;
  - (b) restrict the granting and amending of water supply work approvals to protect waterdependent Aboriginal cultural assets;
  - (c) amend the dealing rules to protect water-dependent Aboriginal cultural assets.
- (13) Any amendment under subclause (12) will take into account the socio-economic impacts of the proposed change and the environmental water requirements of the water source.
- (14) Before making an amendment pursuant to subclause (12) the Minister should consult with relevant Government agencies and stakeholders.

#### [71] Schedule 1

Insert the following in alphabetical order:

approved EP&A Act development means:

- (a) a project approved under Part 3A of the *Environmental Planning and Assessment Act 1979* (whether before or after its repeal), or
- (b) State significant development authorised by a development consent under Part 4 of that Act, or
- (c) State significant infrastructure approved under Part 5.1 of that Act.

*in-river pool* means a natural pool, lagoon or lake that is within a river or stream (regardless of stream size) and excludes:

- (a) a pool that is on a flood-runner or floodplain, or
- (b) a pool that is on an effluent that only commences to flow during high flows.

off-river pool means a natural pool, lagoon or lake that is:

- (a) not within a river or stream (regardless of stream size), or
- (b) located on a flood-runner or floodplain, or
- (c) located on an effluent that only commences to flow during high flows.

#### [72] Schedule 1 Dictionary

Omit the definition of "Aboriginal person". Insert instead:

Aboriginal person has the same meaning as it has in the Aboriginal Land Rights Act 1983.

#### [73] Schedule 1

Omit the definition of "mangrove limit". Insert instead:

*mangrove limit* is as defined in the *DIPNR Survey of tidal limits and mangrove limits in NSW* estuaries 1996 to 2003 (NSW Dept of Commerce, Manly Hydraulics Laboratory).

## [74] Schedule 1

Omit the definition of "runoff harvesting dam". Insert instead:

*runoff harvesting dam* means a dam on a hillside or minor stream which collects and stores rainfall runoff. Minor streams are defined in harvestable rights orders made under section 54 of the Act. For the purposes of this Plan, references to runoff harvesting dams as water supply works include any associated pumps or other works which take water from the dam. For the purpose of clarity, this definition includes dams that are also used to store water diverted into the dam from a river or other source of water.

#### [75] Schedule 1

Omit the definition of "stream order".

#### [76] Schedule 1

Omit the definition of "water year".

# [77] Schedule 2 Access licences used to take surface water exempt from environmental flow protection rules

Omit clause 1 of Schedule 2. Insert instead:

#### 1 General

This clause applies to each access licence which replaces a *Water Act 1912* entitlement listed in the table below.

| <i>Water Act 1912</i> entitlements that will be replaced by access licences on commencement of this Plan |  |
|--|--|
| 10SL006794   |  |
| 10SL013070   |  |
| 10SL050391   |  |
| 10SL014409   |  |
| 10SL029684   |  |
| 10SL056510   |  |
| 10SL042316   |  |
| 10SL020207   |  |
| 10SL023413   |  |
| 10SL028407   |  |
| 10SL055237   |  |
| 10SL055238   |  |
| 10SL018329   |  |
| 10SL035240   |  |
| 10SL015258   |  |
| 10SL023611   |  |
| 10SL039000   |  |
| 10SL050710   |  |
| 10SL015269   |  |
| 10SL026074   |  |
| 10SL055154   |  |
| 10SL055264   |  |
| 10SL015751   |  |
| 10SL033017   |  |
| 10SA002505   |  |
| 10SL056161   |  |
| 10SL035501   |  |

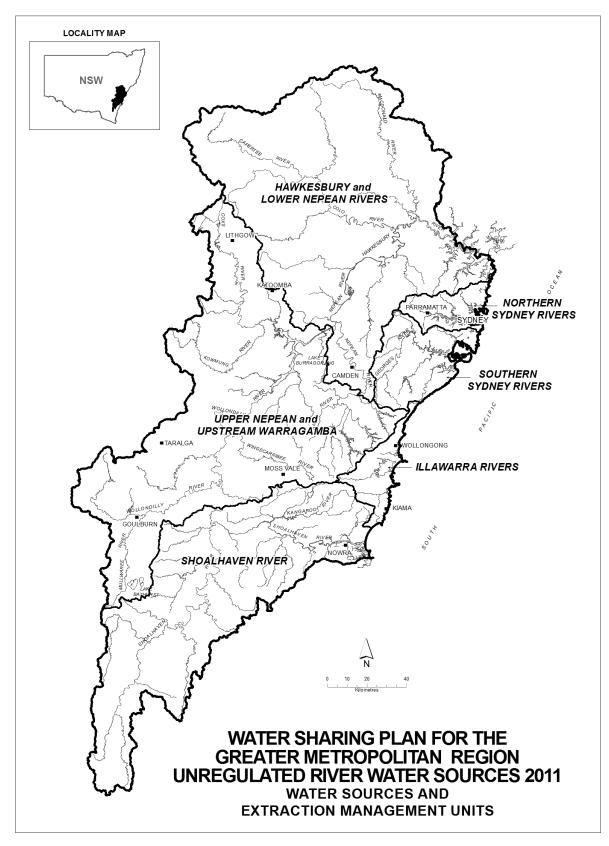
| <i>Water Act 1912</i> entitlements that will be replaced by access licences on commencement of this Plan |  |
|--|--|
| 10SL055832   |  |
| 10SL055893   |  |
| 10SL056319   |  |
| 10SL055951   |  |
| 10SL040496   |  |
| 10SL040822   |  |
| 10SL055153   |  |
| 10SL021519   |  |
| 10SL033762   |  |
| 10SL055148   |  |
| 10SL015021   |  |
| 10SL031389   |  |
| 10SL051617   |  |
| 10SL044687   |  |

## [78] Appendix 1

Omit Appendix 1. Insert instead:

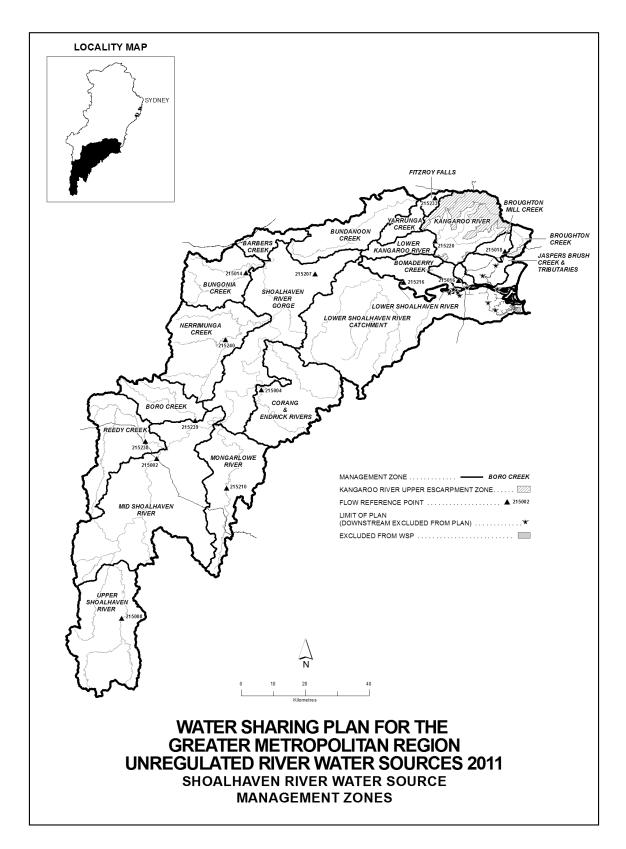
## Appendix 1 Overview of the Plan Map

Overview of the Plan Map (WSP016\_Version 2), Water Sharing Plan for the Greater Metropolitan Region Unregulated River Water Sources 2011



## [79] Appendix 2 Water Sources covered by this Plan

Omit the first map, entitled Water Sharing Plan for the Greater Metropolitan Region Unregulated River Water Sources 2011 Shoalhaven River Water Source Management Zones. Insert instead:



## [80] Appendix 3

Omit the Appendix. Insert instead:

## Appendix 3 Inspection of the Plan Map

Copies of the Plan Map may be inspected at the following offices:

DPI Water NSW Department of Primary Industries 10 Valentine Avenue PARRAMATTA NSW 2150

DPI Water NSW Department of Primary Industries 84 Crown Street WOLLONGONG NSW 2500

DPI Water NSW Department of Primary Industries 5 O'Keefe Street NOWRA NSW 2541

DPI Water NSW Department of Primary Industries Level 3, 159 Auburn Street GOULBURN NSW 2580

## [81] Appendix 4 Access licences subject to the cease to take condition specified in clause 57 (5) of this Plan

Omit "on all water supply work approvals nominated by those access licences" from Appendix 4.

#### [82] Appendix 5 Office

Omit:

The Licensing Manager

NSW Office of Water Department of Trade and Investment, Regional Infrastructure and Services PO Box 3720 PARRAMATTA NSW 2124

Insert instead:

Manager, Water Regulation DPI Water NSW Department of Primary Industries PO Box 3720 PARRAMATTA NSW 2124