



Queensland  
Government



# Logan Basin

Water Management Protocol

February 2023

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# Chapter 1 Preliminary

## 1 Short title

- (1) This water management protocol may be cited as the Logan Basin Water Management Protocol.
- (2) Reference in this document to 'this protocol' means the Logan Basin Water Management Protocol.

## 2 Commencement of the water management protocol

This protocol commenced on 6 December 2016.

## 3 Purpose of protocol

This protocol implements the Water Plan (Logan Basin) 2007.

## 4 Interpretation of words used in this protocol

Unless defined under the relevant provisions, the dictionary at Attachment 2 defines particular words used in this protocol.

## 5 Area to which this protocol applies

This protocol applies to the plan area for the Water Plan (Logan Basin) 2007 as shown in Attachment 1.

## 6 Water to which this protocol applies

This protocol applies to the following water in the plan area –

- (a) water in a watercourse or lake
- (b) water in springs not connected to water to which the Water Plan (Great Artesian Basin and Other Regional Aquifers) 2017 applies.

## 7 Information about areas

- (1) The exact location of the boundaries of the plan area, zones and water management areas, is held in digital electronic form by the Department.
- (2) The information held in digital electronic form can be reduced or enlarged to show the details of the boundaries.<sup>1</sup>

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<sup>1</sup> The boundaries held in digital electronic form may be inspected at any of the Department's offices or on: <https://qldglobe.information.qld.gov.au>

# Chapter 2 Unallocated water

## 8 Scope of chapter 2

This chapter states the process for making available and dealing with unallocated water mentioned in sections 25, 27 and 29 of the Water Plan (Logan Basin) 2007.

## 9 Availability of unallocated water

- (a) The volume of water available from the town water supply is detailed in table 1 and
- (b) Unallocated water held as general reserve is reserved for future use.

Table 1 – Volumes available at the time of the protocol release

Reserve purpose	Location	Nominal volume (ML)	Annual volumetric limit (ML)	Total volume available (ML)
Town water supply reserve	Canungra Creek		150	150

## Part 1 Granting particular water allocations from the strategic reserve

### 10 Section number not used

## Part 2 Granting unallocated water from the town water supply and general reserves

### 11 Process for granting a water licence from the unallocated water reserves – *Water Act 2000*, section 116

The process for granting unallocated water must be in accordance with the requirements prescribed in part 2, division 2, subdivision 2 of the Water Regulation 2016.

# Chapter 3 Water allocation dealing rules – supplemented water allocations

## 12 Scope of chapter 3 – Act, section 158

This chapter provides the water allocation dealing rules for water allocations managed under a resource operations licence holder for the Logan River Water Supply Scheme.

## Division 1 Subdivision or amalgamation of water allocations

### 13 Subdivisions or amalgamations

- (1) Subdivision of a water allocation is permitted where -
  - (a) the sum of the nominal volumes of the new water allocations is equal to the nominal volume of the water allocation that is being subdivided and
  - (b) the location and priority group of the new water allocations are the same as those of the water allocation that is being subdivided.
- (2) Amalgamation of water allocations is permitted where -
  - (a) the nominal volume of the new water allocation is equal to the sum of the nominal volumes of the water allocations that are being amalgamated and
  - (b) the locations and priority group of water allocations that are being amalgamated are the same.

## Division 2 Water allocation change rules

### Subdivision 1 Permitted changes

#### 14 Location

- (1) A change to the location for the taking of water under a water allocation is permitted provided the change would not result in a total nominal volume in a zone that -
  - (a) exceeds the maximum total nominal volume for a zone for a priority group or
  - (b) is less than the minimum total nominal volume for a zone for a priority group.
- (2) For this section, the maximum and minimum total nominal volumes for the priority groups for each zone are identified in table 2.
- (3) For this section, the total nominal volume in a zone is the total nominal volume of all water allocations of the same priority group -
  - (a) for the zone; and
  - (b) for which relevant valid change certificates have been issued under section 159 of the *Water Act 2000*.

**Table 2 – Permitted distributions in the Logan River Water Supply Scheme**

Zone	High priority group water allocations		Medium priority group water allocations	
	Minimum total nominal volume (ML)	Maximum total nominal volume (ML)	Minimum total nominal volume (ML)	Maximum total nominal volume (ML)
BUCSA	0	340	10	390
BUCSB	0	35	500	2,000
LORSA	0	120	90	650
LORSB	0	35	1,030	4,800
LORSC	0	610	625	3,500
LORSD	0	5,150	450	3,000
LORSE	0	1,400	1,000	4,700
LORSF	0	35	65	350
LORSG	38,631	46,856	300	10,000
TVBSA	0	500	0	500
TVBSB	0	0	0	500

## **Subdivision 2 Prohibited changes**

### **15 Prohibited changes**

- (1) The following changes are prohibited -
  - (a) a change to the location of a water allocation that is not a zone listed in table 2
  - (b) a change to a priority group that is not specified in the Water (Logan Basin) Plan 2007.
- (2) For this section, the total nominal volume in a zone is the total nominal volume of all water allocations of the same priority group for the zone.

## **Subdivision 3 Other changes**

### **16 Application for changes not specified as permitted or prohibited**

An application for a change to a water allocation that is not specified as permitted or prohibited may be made in accordance with part 5, division 3, subdivision 4 of the *Water Regulation 2016*.

### **17 Maximum water use**

For this part –

- (a) the maximum volume of water that may be taken in a zone in a water year for the Logan River Water Supply Scheme is the maximum allowable water use volume indicated in table 3; and
- (b) total water use in a zone is the total volume of water used under water allocations for all priority groups managed by the resource operations licence holder for the zone.

**Table 3 Maximum allowable water use volumes for the Logan River Water Supply Scheme**

<b>Zone</b>	<b>Maximum allowable use (ML)</b>
BUCSA	730
BUCSB	2,035
LORSA	770
LORSB	4,835
LORSC	4,110
LORS D	8,150
LORSE	6,100
LORSF	385
LORSG	56,856
TVBSA	1,000
TVBSB	500



# Chapter 4 Unsupplemented water allocations

## 18 Application of chapter 4

This chapter contains general provisions, which apply to all water allocations to take unsupplemented water in the water management areas contained within the plan area

## Part 1 Water sharing rules

### Division 1 Water sharing and data collection rules for Burnett Creek and Logan River water management areas

#### 19 Announced period

- (1) Water may only be taken under a water allocation located in the Burnett Creek and Logan River water management areas during an announced period.
- (2) The chief executive must notify holders of water allocations of –
  - (a) the start and end of an announced period or
  - (b) the conditions under which an announced period starts and ends.
- (3) Details of flow conditions for water allocations to take unsupplemented water area described in table 4.
- (4) For water taken during the announced period, the water allocation holder and any assignee must record meter readings –
  - (a) at the start of taking water and
  - (b) at the end of taking water.
- (5) The water allocation holder and any assignee must transfer the data recorded under subsection (4) to the chief executive in the approved form within one business day following the end of an announced period.

**Table 4 - Flow conditions for water allocations to take unsupplemented water in Burnett Creek and Logan River water management areas**

Water allocation group code	Location zone code	Flow condition	Flow condition description (megalitres per day – ML/d)
1C	BCMCA	1 and 2 and 3	(1) Surface flows greater than 100ML/d past Cedar Grove Weir
			(2) Surface flows greater than 100ML/d past Bromelton Weir.
			(3) 20ML/d release from Maroon Dam storage.
3C	LRMCA	1 and 2 and (3 or 4)	(1) Surface flows greater than 100ML/d past Cedar Grove Weir.
			(2) Surface flows greater than 100ML/d past Bromelton Weir.
			(3) 20ML/d release from Maroon Dam storage
			(4) Combined surface flow of 75ML/d at Forest Home GS 145003B and flood releases from Maroon Dam storage
	LRMCB	1 and 2 and (3 or 4 or 5)	(1) Surface flows greater than 100ML/d past Cedar Grove Weir.
			(2) Surface flows greater than 100ML/d past Bromelton Weir.
			(3) 20ML/d release from Maroon Dam storage
			(4) Combined surface flow of 75ML/d at Forest Home GS 145003B and flood releases from Maroon Dam storage.
			(5) Combined surface flow of 90ML/d at Diekmans Bridge GS 145010A and Rathdowney GS 145020A.
	LRMCC, LRMCD and LRMCE	1 and 2 and (3 or 4 or 5 or 6)	(1) Surface flows greater than 100ML/d past Cedar Grove Weir.
			(2) Surface flows greater than 100ML/d past Bromelton Weir.
			(3) 20ML/d release from Maroon Dam storage
(4) Combined surface flow of 75ML/d at Forest Home GS 145003B and flood releases from Maroon Dam storage.			
(5) Combined surface flow of 90ML/d at Diekmans Bridge GS 145010A and Rathdowney GS 145020A.			
(6) Surface flows greater than 100ML/d at Round Mountain GS 145008A.			
LRMCF and LRMCG	1	1	(1) Surface flows greater than 100ML/d past Cedar Grove Weir

## **Division 2 Water sharing for Christmas Creek and Running Creek water management areas**

### **20 Flow conditions**

The take of water under a water allocation located in the Christmas Creek and Running Creek water management areas may only occur when there is a visible flow immediately downstream of the works used in conjunction with the water allocation.

### **21 Water sharing arrangements**

- a) *“The Christmas and Running Creek Water Advisory Committees may continue to employ voluntary management arrangements to improve the sharing of available water, during periods of low flow.*
- b) *The taking of water under water allocations located in the Christmas Creek and Running Creek water management areas should be consistent with these voluntary arrangements.”*

## **Part 2 Water allocation dealing rules**

### **Division 1 Subdivision or amalgamation of water allocations**

#### **22 Subdivisions or amalgamations**

- (1) Subdivision of a water allocation into two or more water allocations is permitted where –
  - (a) the new water allocations have the same flow conditions and location and
  - (b) the sum of the nominal volumes, annual volumetric limits, and maximum rates of take of the new water allocations is equal to the nominal volume, annual volumetric limit, and maximum rate of the water allocation that is being subdivided.
- (2) Two or more water allocations may be amalgamated into a single water allocation where –
  - (a) the water allocations have the same flow conditions and location and
  - (b) the nominal volume, annual volumetric limit, and maximum rate of the new water allocation are equal to the sum of the nominal volumes, annual volumetric limits, and maximum rates of the water allocations that are being amalgamated.

### **Division 2 Water allocation change rules**

#### **Subdivision 1 Prohibited changes**

##### **23 Prohibited changes**

The following changes are prohibited –

- (a) a change to the location of a water allocation
- (b) a change to a purpose that is not ‘any’.

#### **Subdivision 2 Assessed Changes – Water Act 2000, section 159**

##### **24 Amendment to maximum rate for taking water under particular water allocations**

- (1) The holder of a water allocation located in the Burnett Creek or Logan River water management areas may only make an application to the chief executive to change the water allocation to increase the maximum rate for taking water by up to 50 per cent provided that the mean annual diversion of the water allocation is not increased.

- (2) The chief executive must consider the information supplied by the applicant, under section 159 of the *Water Act 2000* in deciding the application in accordance with section 158 of the *Water Act 2000*.
- (3) The chief executive must only approve the application (with or without conditions) if the chief executive is satisfied that the change to the water allocation will not increase the maximum rate for taking water under the water allocation by greater than 50 per cent of the current maximum rate for taking water under the water allocation, or a derivative<sup>2</sup> of the water allocation, as granted on the commencement, of this protocol;
- (4) The chief executive must refuse the application if –
  - (a) the chief executive is not satisfied in accordance with subsection (3); or
  - (b) the water allocation holder has already applied for and been granted an increase in the maximum rate for taking water under this section.

### **Subdivision 3      Other Changes**

#### **25      Application for changes not specified as permitted or prohibited**

An application for a change to a water allocation that is not specified as permitted or prohibited may be applied for in accordance with part 5, division 3, subdivision 4 of the *Water Regulation 2016*.

## **Part 3              Seasonal water assignment rules**

#### **26      Seasonal water assignment rules**

The chief executive may approve a seasonal water assignment of an unsupplemented water allocation –

- (a) where the location of the seasonally assigned volume is not changed
- (b) where the condition under which water may be taken under the seasonal water assignment are the same as the conditions of the water allocation that is being seasonally assigned
- (c) if the volume of the seasonal water assignment is –
  - (i) less than the annual volumetric limit of the water allocation – where the combined maximum rate of the seasonal water assignment and the unassigned part of the water allocation is equal to the maximum rate of the water allocation or
  - (ii) equal to the annual volumetric limit of the water allocation – where the maximum rate for the seasonal water assignment is equal to the maximum rate of the water allocation that is being seasonally assigned.

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<sup>2</sup> Derivative of a water allocation means a water allocation resulting from subdivision and amalgamation of water allocations.

# Chapter 5 Performance assessment

## 27 Water monitoring

- (1) The chief executive must measure or collect and keep publicly available, records of:
  - (a) water quantity
  - (b) water taken
  - (c) prices for water permanently traded
  - (d) the number of permanent trades and seasonal assignments and
  - (e) nominal volume of water permanently traded and seasonally assigned.
- (2) The chief executive may use information collected to support water resource assessment and reporting.

## 28 Natural ecosystems monitoring

The chief executive must collect and keep publicly available information on ecological assets that are linked to the ecological outcomes if the Water Plan (Logan Basin) 2007.

## 29 Assessment

The chief executive must make ongoing assessment of whether the trends in the data measured, collected and recorded under sections 27 and 28 of this protocol indicate that outcomes specified in the Water Plan (Logan Basin) 2007 are being achieved.

# Attachment 1 Dictionary

Term	Definition
Announced period	The period of time, as determined and announced by the chief executive, when water may be taken in a water year under the authority of a water allocation.
Assignee	The person or entity to whom an interest or right to water is being transferred (e.g. seasonally assigned).
Location	For a water allocation, means the zone from which water under the water allocation can be taken. For a water licence, means the section of the watercourse, lake or spring abutting or contained by the land described on the water licence at which water may be taken.
Megalitre (ML)	One million litres.
Valid change certificate	A certificate issued under section 159 of the <i>Water Act 2000</i> .

# Attachment 2 Logan Basin Water Plan area



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