

# **Moreton** resource operations plan

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## Foreword

This Moreton Resource Operations Plan implements the outcomes and strategies specified in the *Water Resource (Moreton) Plan 2007* for sustainably allocating and managing water to meet the future needs of this area.

The plan will make a vital contribution to providing enhanced certainty and security for the communities of the plan area within the broader South East Queensland context. Finalised after an extensive period allowed for comment and review, the plan will also ensure that the flows necessary to maintain the ecological health of the plan area's river systems are structured to reflect natural cycles of wet and dry.

The finalised resource operations plan provides for:

- existing supplemented entitlements to convert to tradeable water allocations with defined water allocation security objectives and complementary environmental flow objectives
- the operational and management requirements of the plan area's four water supply schemes, including water sharing rules and rules to guide the permanent and seasonal trading of water allocations
- water licence applications to be dealt with.

These provisions were key requirements of the water resource plan, which provides the strategic framework for sustainably managing consumptive and non-consumptive water uses that must be put into effect by the resource operations plan.

The relationship between the two plans is set out in the *Water Act 2000*, which specifies that the resource operations plan must be consistent with the water resource plan's provisions for advancing sustainable water allocation and management. To achieve this, the plan was developed by thoroughly testing and refining an integrated suite of operational management rules against requirements of the water resource plan.

The effectiveness of the plan in achieving this end will be confirmed through a rigorous monitoring program that will be reviewed and refined under the implementation requirements. The program, and parallel reporting requirements, will provide the checks and balances needed to ensure that the water resource plan's specified general and ecological outcomes are being achieved under the plan, and that the future needs of the community are being sustainably met.

**Debbie Best**  
**Deputy Director-General**  
**Department of Environment and Resource Management**

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## Chapter 1 Preliminary

### 1 Short title

- (1) This resource operations plan may be cited as the Moreton Resource Operations Plan 2009.
- (2) Reference in this document to ‘this plan’ means the Moreton Resource Operations Plan 2009.

### 2 Commencement of the resource operations plan

This plan commences on the first business day after this plan is notified in the Queensland Government Gazette.

### 3 Purpose of plan

This plan implements the *Water Resource (Moreton) Plan 2007*.

### 4 Interpretation of words used in this plan

The glossary in Attachment 1 provides further information on particular words used in this plan.

### 5 Plan area

This plan applies to the area shown as the plan area on the map in Attachment 2(a).

### 6 Water to which this plan applies

This plan applies to the following water in the plan area:

- (a) water in a watercourse or lake; and
- (b) water in springs not connected to groundwater.

### 7 Resource operations plan zones

- (1) Each of the zones shown on the maps in Attachment 2(b) to 2(e) is a resource operations plan zone (zone) for this plan.
- (2) Each zone includes—
  - (a) each part of a watercourse, lake or spring that lies within the zone; and
  - (b) those sections of tributaries where there is access to flow or pondage from a watercourse or lake within the zone.

## **8 Information about areas**

- (1) The exact location of the boundaries of the plan area and resource operations plan zones are 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>.

## **9 Purpose of a water allocation**

- (1) Water taken under a water allocation must only be used for the purpose stated on that water allocation.
- (2) Subsection 1 does not apply to water taken under seasonal assignment.

## **10 Resource operations licence holder**

- (1) A resource operations licence holder for this plan is the resource operations licence holder for the—
  - (a) Central Brisbane River Water Supply Scheme
  - (b) Cressbrook Creek Water Supply Scheme
  - (c) Pine Valleys Water Supply Scheme
  - (d) Stanley River Water Supply Scheme.
- (2) The water supply schemes in subsection 1(a), 1(c) and 1(d) are managed under the one resource operations licence held by a single entity.
- (3) The areas managed under the resource operations licences listed in subsection 1 are shown on the maps in Attachment 2 (b) to 2(e).

## **11 Departmental water monitoring data collection standards**

- (1) Where this plan requires monitoring by a resource operations licence holder, including measurement, collection, analysis and storage of data, the resource operations licence holder must ensure the monitoring is consistent with the Water Monitoring Data Collection Standards<sup>2</sup>.
- (2) The Water Monitoring Data Collection Standards may be reviewed and updated by the chief executive at any time.
- (3) The chief executive must notify the resource operations licence holder at least 20 business days before any substantive changes are made to the Water Monitoring Data Collection Standards.

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<sup>1</sup> The boundaries in digital electronic form may be inspected at the department's office at Landcentre, corner of Main and Vulture Streets, Woolloongabba and Gatton Research Station, Warrego Highway, Gatton.

<sup>2</sup> The Water Monitoring Data Collection Standards can be accessed at <[www.derm.qld.gov.au](http://www.derm.qld.gov.au)> or alternatively, inspected at any of the department's offices.

## **12 Departmental water monitoring data reporting standards**

- (1) Where this plan requires transfer of data or reporting by a resource operations licence holder, the resource operations licence holder must ensure the transfer or reporting is consistent with the Water Monitoring Data Reporting Standards<sup>3</sup>.
- (2) The Water Monitoring Data Reporting Standards may be reviewed and updated by the chief executive at any time.
- (3) The chief executive must notify the resource operations licence holder at least 20 business days before any substantive changes are made to the Water Monitoring Data Reporting Standards.

## **13 Interim program**

- (1) The chief executive and the resource operations licence holder must implement requirements of this plan as soon as is practical within the timeframes stated below.
- (2) Subsections 3 to 11 apply where a resource operations licence holder is unable to meet the requirements of this plan on the day this plan commences.
- (3) The resource operations licence holder must—
  - (a) within 2 months of commencement of this plan, submit a statement of programs currently in existence, to the chief executive for approval; and
  - (b) within 6 months of commencement of this plan, submit a program for meeting the requirements of this plan to the chief executive for approval, including a timetable and interim methods to be used.
- (4) The resource operations licence holder may, where an emergency or operational incident results in an inability to comply with any rules or requirements of this plan, submit an interim program for meeting the requirements of this plan to the chief executive for approval, including a timetable and interim methods to be used.
- (5) Where the submitted program relates to the Water Monitoring Data Collection Standards, the program must include the accuracy of methods currently used.
- (6) The chief executive, in considering any submitted program, may request additional information.
- (6A) Despite anything in subsections 2, 3 or 4, a resource operations licence holder with an approved interim program may submit to the chief executive a revised program for consideration under subsection 7.
- (7) The chief executive, in considering any submitted program, may either—
  - (a) approve the program with or without conditions;
  - (b) amend and approve the amended program; or
  - (c) require the resource operations licence holder to submit a revised program.
- (8) Within 10 business days of making a decision on a program submitted under this section, the chief executive must notify the resource operations licence holder of the decision.
- (9) Following approval of the program by the chief executive, the resource operations licence holder must—
  - (a) implement and operate in accordance with the approved program; and
  - (b) make public details of the approved program on their internet site.

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<sup>3</sup> The Water Monitoring Reporting Standard can be accessed at <[www.derm.qld.gov.au](http://www.derm.qld.gov.au)> or alternatively, inspected at any of the department's offices.

- (10) Where there is conflict between the provisions of this plan and the provisions of an approved program, the approved program prevails for the time that the approved program is in place.
- (11) Where this section applies, the resource operations licence holder may continue to operate under the existing program until the program submitted under this section is approved.

#### **14 Operating and environmental management rules and monitoring requirements**

- (1) The operating and environmental management rules and monitoring requirements of this plan do not apply in situations where carrying out those rules and requirements would be unsafe to a person or persons.
- (2) Under circumstances where subsection 1 applies, the resource operations licence holder—
  - (a) must comply with the reporting requirements for operational or emergency incidents in accordance with the—
    - (i) Central Brisbane River and Stanley River water supply schemes—chapter 5;
    - (ii) Pine Valleys Water Supply Scheme—chapter 6;
    - (iii) Cressbrook Creek Water Supply Scheme—chapter 7.
  - (b) may submit an interim program for implementing the rules and requirements of this plan under section 13.

#### **15 Sustainable management of water**

This plan, in implementing the *Water Resource (Moreton) Plan 2007*, provides for the sustainable management of water by—

- (a) allowing for the allocation of water and contributing to the fair, orderly and efficient allocation of water to meet community needs, including economic development in accordance with ecologically sustainable development principles, by—
  - (i) detailing processes for dealing with unallocated water;
  - (ii) granting authorisations for the management of, taking of and interfering with water;
  - (iii) establishing water allocations that are tradable and separate from land; and
  - (iv) specifying rules for water trading.
- (b) protecting the biological diversity and health of natural ecosystems and contributing to the protection and, where possible, reversal of degradation of water, watercourses, lakes, springs, aquifers, natural ecosystems and other resources by—
  - (i) detailing the operating, environmental management and water sharing rules for the Central Brisbane River, Cressbrook Creek, Pine Valleys and Stanley River water supply schemes;
  - (ii) detailing arrangements for the collection and assessment of data by the chief executive relating to *Water Resource (Moreton) Plan 2007* general and ecological outcomes; and
  - (iii) detailing water and natural ecosystems monitoring responsibilities of the resource operations licence holder.

- (c) contributing to improving the confidence of water users regarding the availability and security of water entitlements by—
  - (i) stating processes for dealing with unallocated water;
  - (ii) detailing the operating, environmental management and water sharing rules for the Central Brisbane River, Cressbrook Creek, Pine Valleys and Stanley River water supply schemes;
  - (iii) detailing change rules for water allocations in the Central Brisbane River, Cressbrook Creek, Pine Valleys and Stanley River water supply schemes;
  - (iv) detailing water and natural ecosystem monitoring responsibilities of the resource operations licence holder for the Central Brisbane River, Cressbrook Creek, Pine Valleys and Stanley River water supply schemes; and
  - (v) detailing processes for dealing with applications for water licences relating to unsupplemented water in watercourses, lakes and springs;
  - (vi) detailing arrangements for the collection and assessment of data by the chief executive relating to *Water Resource (Moreton) Plan 2007* outcomes; and
  - (vii) detailing stated amendments under section 106(b) of the *Water Act 2000* that can be made to this plan.
- (d) contributing to increasing community understanding and participation in the sustainable management of water by—
  - (i) providing opportunities for community participation and submissions as part of plan development; and
  - (ii) clearly specifying rules and arrangements for the allocation and management of water in the plan area, including explanatory notes that provide details of the intent and application of each section of this plan.

## **16 Addressing water resource plan outcomes**

- (1) This plan addresses the *Water Resource (Moreton) Plan 2007*, outcomes by—
  - (a) specifying processes, rules and limits, the application of which are consistent with environmental flow objectives and water allocation security objectives specified in the *Water Resource (Moreton) Plan 2007*; and
  - (b) providing monitoring and reporting arrangements to assist in the ongoing assessment of whether water management arrangements in the plan area will contribute to the achievement of the *Water Resource (Moreton) Plan 2007* outcomes.
- (2) Attachment 3 lists the outcomes of the *Water Resource (Moreton) Plan 2007* and how the rules of this plan are linked to those outcomes.

## **17 to 21 Section numbers are not used**

## **Chapter 2      Unallocated water**

### **22      Record of volume of unallocated water**

- (1)    The chief executive may develop a register of the volume of unallocated water available.
- (2)    This register must be updated after the granting of an entitlement.

### **23      Availability of unallocated water**

Unallocated water held as strategic reserve is reserved for future use.

**24 to 33 Section numbers are not used**



## **Chapter 3      Granting, amending and converting authorisations**

### **Part 1              Granting of a resource operations licence— *Water Act 2000*, section 107**

#### **34      Resource operations licence**

- (1) On the day this plan has effect, The chief executive must grant a resource operations licence to—
  - (a) The Queensland Bulk Water Supply Authority for the Central Brisbane River, Stanley River and Pine Valleys water supply schemes; and
  - (b) Toowoomba Regional Council for the Cressbrook Creek Water Supply Scheme.
- (2) The infrastructure associated with the resource operations licence for the—
  - (a) Central Brisbane River and Stanley River water supply schemes are described in Attachment 5;
  - (b) Pine Valleys Water Supply Scheme is described in Attachment 6; and
  - (c) Cressbrook Creek Water Supply Scheme is described in Attachment 7.

### **Part 2              Rules for amending water licences for taking unsupplemented water**

#### **35      Amending a water licence for taking unsupplemented water**

When amending a water licence in accordance with section 217 or section 218 of the *Water Act 2000*, the chief executive—

- (a) must, amend the licence to state—
  - (i) where the licence does not contain an annual volumetric limit; the annual volumetric limit for the licence as determined under section 57 (2) of the *Water Resource (Moreton) Plan 2007*; and
  - (ii) where the licence does not contain a maximum rate at which water may be taken, the maximum rate at which water may be taken under the licence as determined under section 58 of the *Water Resource (Moreton) Plan 2007*; and
- (b) may, under section 56 of the *Water Resource (Moreton) Plan 2007*, amend the licence to include—
  - (i) the purpose for which the water may be taken under the licence;
  - (ii) flow conditions for the licence; and
  - (iii) any other conditions decided by the chief executive.

## **Part 3                      Water licences to be granted and amended**

### **Division 1                      Water licences to be granted**

#### **36              Water licences to be granted to the South East Queensland Water Grid Manager**

The chief executive must grant to the South East Queensland Water Grid Manager a water entitlement in accordance with Attachment 4(a)—

- (a) to replace the continued authority under section 360ZDP<sup>4</sup> of the *Water Act 2000*; and
- (b) mentioned in section 41 of the *Water Resource (Moreton) Plan 2007* for the taking of water from—
  - (i) the impoundment of Cabbage Tree Creek Dam on Cabbage Tree Creek (parish of Kholo);
  - (ii) the impoundment of Enoggera Dam on Enoggera Creek; and
  - (iii) the impoundment of Gold Creek Dam on Gold Creek.

#### **37              Water licences to be granted to the South East Queensland Water Grid Manager**

The chief executive must grant to the South East Queensland Water Grid Manager a water entitlement in accordance with Attachment 4(a)—

- (a) to replace the continued authority under section 360ZDP<sup>5</sup> of the *Water Act 2000*; and
- (b) mentioned in—
  - (i) section 38(1) (a) of the *Water Resource (Moreton) Plan 2007* for the taking of water from Cabbage Tree Creek (parish of Kholo), Enoggera Creek and Gold Creek;
  - (ii) section 38(1) (b) of the *Water Resource (Moreton) Plan 2007* for the taking of water from Caboolture River and Wararba Creek; and
  - (iii) section 38(1) (c) of the *Water Resource (Moreton) Plan 2007* for the taking of water from Kilcoy Creek; and
  - (iv) section 38(1) (f) of the *Water Resource (Moreton) Plan 2007* for the taking of water from Sideling Creek.

#### **38              Water licences to be granted to the Queensland Bulk Water Supply Authority**

The chief executive must grant to the Queensland Bulk Water Supply Authority a water entitlement in accordance with Attachment 4(b)—

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<sup>4, 5, 6</sup> Some of these continued authorities were originally authorities continued under section 1037 of the *Water Act 2000* and subsequently transferred pursuant to section 360ZDN of the *Water Act 2000* and gazettal of the transfer notice on 27 June 2008.

- (a) to replace the continued authority under section 360ZDP<sup>6</sup> of the *Water Act 2000*; and
- (b) mentioned in—
  - (i) section 38(1) (a) of the *Water Resource (Moreton) Plan 2007* for interfering with water from Cabbage Tree Creek (parish of Kholo), Enoggera Creek and Gold Creek;
  - (ii) section 38(1) (b) of the *Water Resource (Moreton) Plan 2007* for interfering with water from Caboolture River;
  - (iii) section 38(1) (c) of the *Water Resource (Moreton) Plan 2007* for the interfering with water from Kilcoy Creek; and
  - (iv) section 38(1) (f) of the *Water Resource (Moreton) Plan 2007* for interfering with water from Sideling Creek.

### **39 Water licences to be granted to the South Burnett Regional Council**

The chief executive must grant to the South Burnett Regional Council water entitlements to replace the authorities continued under section 1037 of the *Water Act 2000* and mentioned in section 38(1) (d) of the *Water Resource (Moreton) Plan 2007* as follows—

- (a) For the take of water from Boobir Creek, originally authorised by Application by Local Authority number 293—grant a water licence in accordance with Attachment 4(c).
- (b) For the take of water from Cooyar Creek, originally authorised by Order in Council dated 10 April 1969—grant a water licence in accordance with Attachment 4(c).
- (c) For the interfering with the flow of water in Cooyar Creek, originally authorised by Order in Council dated 10 April 1969—grant a water licence in accordance with Attachment 4(c).
- (d) For the take of water from Taromeo Creek, originally authorised by Order in Council dated 14 February 1963—grant a water licence in accordance with Attachment 4(c).
- (e) For the interfering with the flow of water in Taromeo Creek, originally authorised by Order in Council dated 14 February 1963—grant a water licence in accordance with Attachment 4(c).

### **40 Water licences to be granted to the Toowoomba Regional Council**

The chief executive must grant to the Toowoomba Regional Council water entitlements as follows—

- (a) to replace the authorities mentioned in section 38(1) (g) of the *Water Resource (Moreton) Plan 2007* and originally authorised by Application by Local Authority number 26—
  - (i) a water licence to take water from Cooyar Creek in accordance with Attachment 4(d);
  - (ii) a water licence to interfere with the flow of water in Cooyar Creek in accordance with Attachment 4(d).

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<sup>4, 5, 6</sup> Some of these continued authorities were originally authorities continued under section 1037 of the *Water Act 2000* and subsequently transferred pursuant to section 360ZDN of the *Water Act 2000* and gazettal of the transfer notice on 27 June 2008.

- (b) To replace an existing authorisation mentioned in section 38(1) (g) of the *Water Resource (Moreton) Plan 2007* and originally authorised by Order in Council dated 22 January 1981—grant a water licence to take water from Cressbrook Creek in accordance with Attachment 4(d).

## **Division 2                      Water licences to be amended**

### **41                      Water licences to be amended**

Within 60 business days of the commencement of this plan, the chief executive must, under section 217 of the *Water Act 2000*, amend—

- (a) Water licence 49593G to interfere with the flow of water in Boobir Creek in accordance with Attachment 4(e), Table (1).
- (b) Water licence 51038C to interfere with the flow of water in North Pine River, in accordance with Attachment 4(e), Table (2).
- (c) Water licence 51040C to interfere with the flow of water in North Pine River, in accordance with Attachment 4(e), Table (3).
- (d) Water licence 102509 to interfere with the flow of water in the Stanley River, in accordance with Attachment 4(e), Table (4).
- (e) Water licence 174343 to interfere with the flow of water in Wararba Creek, in accordance with Attachment 4(e), Table (5).
- (f) Water licence 174231 for the taking of water from Wararba Creek, in accordance with Attachment 4(e), Table (6).

## **Part 4                      Rules for converting to and granting of water allocations**

### **42                      Application of Part 4**

This part specifies rules for converting existing water authorisations, managed under a resource operations licence for the Central Brisbane River, Cressbrook Creek and Pine Valleys water supply schemes, to water allocations and granting water allocations in accordance with the schedule of water allocations in Attachment 8.

### **43                      Rules for converting existing water authorisations to supplemented water allocations**

The existing water authorisations must be converted to supplemented water allocations as follows—

- (a) the person granted the water allocation must be the person who holds the existing water authorisation from which the water allocation is converted;
- (b) the location for the water allocation must be the zone that includes the place on a watercourse, lake or spring from which the water could be taken under the existing water authorisation;
- (c) the purpose for the water allocation must be in accordance with section 45 of the *Water Resource (Moreton) Plan 2007*;

- (d) the nominal volume for the water allocation must be in accordance with section 46 of the *Water Resource (Moreton) Plan 2007*; and
- (e) the priority group for the water allocation must be in accordance with section 47 of the *Water Resource (Moreton) Plan 2007*.

#### **44 Granting of supplemented water allocations**

The chief executive must grant supplemented water allocations for existing water authorisations converted under section 43 of this plan in accordance with Attachment 8.<sup>7</sup>

### **Part 5 Granting a resource operations licence to meet future water requirements**

#### **45 Application of Part 5**

This part states a process for section 108 of the *Water Act 2000* for the granting of a resource operations licence to meet future water requirements.

#### **46 Applying for a resource operations licence**

- (1) This section applies to the proposed owner of infrastructure—
  - (a) for a project declared under the State Development and Public Works Organisation Act 1971, section 26, to be a significant project; or
  - (b) identified for the SEQ regional plan; or
  - (c) identified for a regional water security program.
- (2) The chief executive may give notice to the proposed owner that the proposed owner must apply to the chief executive for a resource operations licence.
- (3) The application must—
  - (a) be in the approved form;
  - (b) include the following—
    - (i) details of the proposed infrastructure;
    - (ii) an assessment of the impact of constructing the infrastructure on—
      - (A) the supply of water managed under existing resource operations licences;
      - (B) the operating arrangements under existing resource operations licences;
      - (C) existing water licences to take water;
      - (D) other existing authorisations, other than water permits, that may be affected by the proposed infrastructure;
    - (iii) the applicant's proposal for minimising the impact assessed and mentioned in subparagraph (ii);

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<sup>7</sup> Converted water authorisations automatically expire under section 121 of the *Water Act 2000*.

- (iv) proposed operating arrangements for the infrastructure;
  - (v) written evidence of approval by the Coordinator General that the applicant is the proponent of the infrastructure;
  - (vi) any other information the applicant considers will enable the chief executive to decide the application; and
- (c) be accompanied by the prescribed fee.
- (4) The chief executive may give a copy of the application to any entity the chief executive considers appropriate.

#### **47 Additional information may be required**

- (1) The chief executive may, by notice, require—
  - (a) the applicant to give additional information about the application; or
  - (b) any information included in the application, or any additional information required under subsection (a) to be verified by statutory declaration.
- (2) An applicant must provide information where requested, within the time requested otherwise the application will lapse.

#### **48 Matters the chief executive must consider**

- (1) In deciding the application, the chief executive must consider—
  - (a) the application and any additional information given about the application;
  - (b) any conditions which are appropriate for the application if it were to be approved and granted; and
  - (c) the public interest.
- (2) Subsection 1 does not limit the matters the chief executive may consider.

#### **49 Deciding an application for a resource operations licence**

- (1) Where satisfied the application should be approved, the chief executive must approve the application either—
  - (a) wholly, or in part; and
  - (b) with or without conditions.
- (2) Where the chief executive is not satisfied that the application should be approved, the chief executive must, within 30 business days, notify the applicant.

### **Part 6 Amending a resource operations licence to meet future water requirements**

#### **50 Application of Part 6**

This part states a process under section 111A of the *Water Act 2000* for amending a resource operations licence to meet future water requirements.

## **Division 1                      Amendment by the chief executive**

### **51            Amending a resource operations licence by the chief executive**

- (1) The chief executive may amend—
  - (a) a resource operations licence granted under the *Water Act 2000* to the extent the chief executive considers necessary; or
  - (b) any other resource operations licence to the extent the chief executive considers necessary as a consequence of amending a resource operations licence granted under the *Water Act 2000*.
- (2) Before the chief executive acts under subsection 1, the chief executive must give the resource operations licence holder notice of the proposed amendment.
- (3) The notice must—
  - (a) state the following—
    - (i) a summary of the proposed amendment;
    - (ii) the reasons for the proposed amendment;
    - (iii) that written submissions may be made by the resource operations licence holder about the proposed amendment;
    - (iv) the day by which, the person to whom, and the place where the submissions must be made; and
  - (b) include a copy of the proposed amendment.
- (4) The day stated under subsection 3(a) (iv) must be at least 30 business days after the notice is given.

### **52            Matters the chief executive must consider**

- (1) Prior to deciding whether to amend a resource operations licence, the chief executive must consider—
  - (a) any submissions made by the resource operations licence holder about the proposed amendment;
  - (b) the public interest; and
  - (c) the original application under section 46 of this plan for the resource operations licence and any additional information given about the application.
- (2) Subsection 1 does not limit the matters the chief executive may consider.

### **53            Deciding whether to amend a resource operations licence**

- (1) If the chief executive is satisfied that the resource operations licence should be amended, the chief executive must amend the resource operations licence under section 111A of the *Water Act 2000*.
- (2) If the chief executive is not satisfied that the resource operations licence should be amended, the chief executive must, within 30 business days, notify the resource operations licence holder.

## **Division 2                      Amendment on application by the holder**

### **54            Amending a resource operations licence on application by the resource operations licence holder**

- (1) The holder of a resource operations licence first granted under section 108 of the *Water Act 2000* may apply to the chief executive to amend a resource operations licence under 111A of the *Water Act 2000*.
- (2) The application must—
  - (a) be in the approved form;
  - (b) include a summary of the amendment required and the reasons for the amendment; and
  - (c) be accompanied by the prescribed fee.
- (3) The chief executive may give a copy of the application to any entity the chief executive considers appropriate.
- (4) This section does not apply where the chief executive is satisfied that the infrastructure is substantially complete and may be regarded as operational.
- (5) Where subsection 4 applies, the chief executive must amend this plan in accordance with section 182 of this plan.

### **55            Additional information may be required**

- (1) The chief executive may, by notice, require—
  - (a) the applicant to give additional information about the application; or
  - (b) any information included in the application, or any additional information required under subparagraph (a) to be verified by statutory declaration.
- (2) An applicant must provide information where requested within the time requested otherwise the application will lapse.

### **56            Matters the chief executive must consider**

- (1) In deciding the application, the chief executive must consider—
  - (a) the application and any additional information given about the application; and
  - (b) the public interest.
- (2) Subsection 1 does not limit the matters the chief executive may consider.

### **57            Deciding whether to amend a resource operations licence**

- (1) Where the chief executive is satisfied that the application to amend a resource operations licence should be approved, the chief executive must approve the application either—
  - (a) wholly, or in part; and
  - (b) with or without conditions.
- (2) In amending a resource operations licence under this section, the chief executive must comply with the requirements of section 111A of the *Water Act 2000*.



- (3) Where the chief executive is not satisfied that the resource operations licence should be amended, the chief executive must, within 30 business days, notify the resource operations licence holder.

**58 to 62 Section numbers are not used**

## **Chapter 4      Dealing with water licence applications**

### **63      Scope of Chapter 4**

This chapter sets out a process for dealing with applications for water licences to take or interfere with water from a watercourse, lake or spring.

### **64      Dealing with applications**

- (1) The chief executive must not make a decision that—
  - (a) would increase the average volume of water available to be taken in the plan area in accordance with section 22 of the *Water Resource (Moreton) Plan 2007*; or
  - (b) results in the inability to meet any of the outcomes in part 3 of the *Water Resource (Moreton) Plan 2007*; or
  - (c) results in the inability to meet any of the objectives in part 4 of the *Water Resource (Moreton) Plan 2007*.
- (2) The chief executive must deal with the application in accordance with section 205 and Chapter 2, part 6, division 2, subdivisions 1 and 2 of the *Water Act 2000* if the chief executive is satisfied that the granting of the application would not have any of the effects mentioned in subsection 1.
- (3) The chief executive must refuse the application if the chief executive is satisfied that the granting of the application would have any of the effects mentioned in subsection 1.

**65 to 69 Section numbers are not used**

## **Chapter 5      Central Brisbane River and Stanley River Water Supply Schemes**

### **70      Application of Chapter 5**

This chapter applies to:

- (a) the resource operations licence holder for the Central Brisbane River and Stanley River water supply schemes
- (b) all water allocations associated with the Central Brisbane River Water Supply Scheme.

## **Part 1              Operating and environmental management rules**

### **71      Use of watercourses for distribution**

The resource operations licence holder must only use the following watercourses for the distribution of water—

- (a) the part of the Brisbane River from Mount Crosby Weir located at AMTD 90.8km upstream to and including the ponded area of Wivenhoe Dam; and
- (b) the part of the Stanley River from its confluence with the Brisbane River upstream to and including the ponded area of Somerset Dam; and
- (c) sections of tributaries of the Brisbane and Stanley rivers, which contain water ponded behind the infrastructure in the water supply schemes or ponded from natural waterholes located in the reaches described in (a) and (b) above.

### **72      Operating levels for infrastructure**

- (1) The operating levels for the infrastructure in the Central Brisbane River and Stanley River water supply schemes are specified in Attachment 5, Table 1, Table 2 and Table 3.
- (2) The resource operations licence holder must not release or supply water from any infrastructure when the water level in that infrastructure is at or below its minimum operating level.
- (3) The resource operations licence holder must not release water from any infrastructure unless the release is necessary to—
  - (a) meet minimum flow rates in section 75; or
  - (b) supply downstream demand.

**73 Quality of water released**

When releasing water from Wivenhoe Dam, the resource operations licence holder must draw water from the inlet level that optimises the quality of water released.

**74 Change in rate of release from infrastructure**

The resource operations licence holder must minimise the occurrence of adverse environmental impacts by ensuring that any change in the rate of release of water from Wivenhoe Dam, Somerset Dam or Mount Crosby Weir occurs incrementally.

**75 Streamflow requirement**

When critical water sharing arrangements are not in force, the resource operations licence holder must release a minimum flow of 8.64 ML/day from Mount Crosby Weir.

## **Part 2 Water sharing rules**

### **Division 1 Announced allocations**

**76 Announced allocations**

The resource operations licence holder must—

- (a) calculate an announced allocation for each priority group for use in defining the share of water available to be taken under water allocations in that priority group;
- (b) use the water sharing rules specified in this part to calculate announced allocations throughout the water year;
- (c) calculate and set the announced allocation for each priority group to take effect on the first day of each water year;
- (d) following the commencement of a water year—
  - (i) recalculate the announced allocation to take effect no later than 5 business days following the first day of the month;
  - (ii) reset the announced allocation if a recalculation indicates that the recalculated announced allocation would—
    - (A) for medium priority water allocations increase by 10 or more percentage points;
    - (B) for high priority water allocations increase by 5 or more percentage points; or
    - (C) increase to 100 per cent.
- (e) within 5 business days of setting an announced allocation under subsection 1(c) or the first calendar day of every month when resetting the announced allocation under subsection 1(d)—
  - (i) publish details of the announced allocation; and

- (ii) make public details of the announced allocation, including parameters for determining the announced allocation, on the resource operations licence holder's internet site;
- (f) not reduce the announced allocation during a water year;
- (g) round the announced allocation to the nearest whole percentage point
- (h) not set an announced allocation that is greater than 100 per cent.

## 77 Announced allocation for medium priority water allocations

- (1) The announced allocation for medium priority water allocations in the Central Brisbane River Water Supply Scheme is the announced allocation percentage stated in Attachment 5, Table 5, column 2 corresponding to the combined percentage of useable volume in storage of Wivenhoe and Somerset dams stated in Attachment 5, Table 5, column 1.
- (2) The combined percentage of useable volume in storage of Wivenhoe and Somerset dams must be calculated using the following formula—

$$CPUVS = \left\{ \frac{UV_{Wivenhoe} + UV_{Somerset}}{CUFSV} \right\} \times 100$$

- (3) The parameters used in the formula for combined percentage of volume in storage are defined in Attachment 5, Table 6.

## 78 Announced allocation for 'High Priority A' water allocations

- (1) The announced allocation for 'High Priority A' water allocations within the Central Brisbane River Water Supply Scheme must be as follows—
  - (a) 100 per cent when the combined percentage of useable volume in storage of Wivenhoe and Somerset dams is greater than or equal to 25 per cent or
  - (b) when the combined percentage of useable volume in storage of Wivenhoe and Somerset dams is less than 25 per cent, the announced allocation percentage for 'High Priority A' water allocations must be calculated using the following formula—

$$AA_{HPA} = \left\{ \frac{UV - (AA_{MP} \times MPA) + DIV_{HPA} + DIV_{MP}}{HPAA} \right\} \times 100$$

- (2) The parameters used in the formula for announced allocation are defined in Attachment 5, Table 4.
- (3) For subsection 1 the combined percentage of useable volume in storage of Wivenhoe and Somerset dams must be calculated using the formula in section 77(2) of this plan.

## 79 Taking water under a water allocation

The total volume of water taken under a water allocation in a water year must not exceed the nominal volume of the water allocation multiplied by the announced allocation and divided by 100.

## **Division 2                      Critical water sharing arrangements**

### **80                      Critical water sharing arrangements**

- (1) Critical water sharing arrangements are in force when the combined percentage of useable volume in storage of Wivenhoe and Somerset dams is less than 15 per cent.
- (2) During times when critical water sharing arrangements are in force the resource operations licence holder must—
  - (a) cease making releases from Mount Crosby Weir under section 75 of this plan;
  - (b) when at the start of the water year the combined percentage of useable volume in storage of Wivenhoe and Somerset dams is less than 15 per cent, set the announced allocation for medium priority water allocations in the Central Brisbane River Water Supply Scheme to zero per cent.
- (3) For subsection 1 the combined percentage of useable volume in storage of Wivenhoe and Somerset dams must be calculated using the formula in section 77(2) of this plan.

## **Part 3                      Dealing with water allocations**

### **81                      Application of Part 3**

This part provides for dealings with water allocations managed by a resource operations licence holder for the Central Brisbane River Water Supply Scheme.

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

### **82                      Permitted 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 is the same as that 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 groups of water allocations that are being amalgamated are the same.

### **83                      Prohibited subdivisions or amalgamations**

- (1) Subdivision of a water allocation is prohibited where—
  - (a) the sum of nominal volumes of the new water allocations is not equal to the nominal volume of the water allocation being subdivided;
  - (b) the location and priority group of water allocations are not the same as those of the water allocation being subdivided; or
  - (c) the nominal volume of a new water allocation is less than one megalitre.

- (2) Amalgamation of a water allocation is prohibited where—
  - (a) the nominal volume of the new water allocation is not equal to the sum of the nominal volumes of the water allocations being amalgamated;
  - (b) the location and priority group of water allocations that are being amalgamated are the same.

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

### **Subdivision 1                      Permitted changes**

#### **84                      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 Attachment 5, Table 8.
- (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 129 of the *Water Act 2000*.

### **Subdivision 2                      Prohibited changes**

#### **85                      Prohibited changes**

- (1) The following changes are prohibited—
  - (a) a change to the location of a water allocation if the change would result in a total nominal volume in a zone that—
    - (i) exceeds the maximum total nominal volume in Attachment 5, Table 9 for the zone for a priority group; or
    - (ii) is less than the minimum total nominal volume in Attachment 5, Table 9 for the zone for a priority group; or
  - (b) a change to the location of a water allocation that is not a zone listed in Attachment 5, Table 9.
  - (c) a change that would result in the nominal volume of the new water allocation not being expressed as a whole number, unless an existing water allocation to be changed specifies a nominal volume that is not a whole number; and
  - (d) a change to a priority group that is not specified in the *Water Resource (Moreton) 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**

### **86      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 section 130 of the *Water Act 2000*.

## **Part 4              Seasonal water assignment rules**

### **87      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 Central Brisbane River Water Supply Scheme is the maximum allowable water use volume indicated in Attachment 5, Table 9 for each zone; and
- (b) the 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.

### **88      Seasonal water assignment rules**

- (1) The resource operations licence holder may approve a seasonal assignment of a volume of water provided that the total volume of water use in a water year for each zone will not exceed the maximum allowable water use volume in Attachment 5, Table 9 for each zone.
- (2) The resource operations licence holder is responsible for dealing with applications for seasonal water assignment where the resource operations licence holder distributes water to the assignee.

**89 to 94 Section numbers are not used**



## **Chapter 6      Pine Valleys Water Supply Scheme**

### **95      Application of Chapter 6**

This chapter applies to—

- (a) the resource operations licence holder for the Pine Valleys Water Supply Scheme; and
- (b) all water allocations associated with the Pine Valleys Water Supply Scheme.

## **Part 1              Operating and environmental management rules**

### **96      Use of watercourses for distribution**

The resource operations licence holder must only use the following watercourses for the distribution of water—

- (a) the part of the North Pine River from AMTD 18.4km upstream to and including the ponded area of North Pine Dam; and
- (b) sections of tributaries of North Pine River, which contains water ponded behind the infrastructure in the Pine Valleys Water Supply Scheme or ponded from natural waterholes located in the reaches described in (a) above.

### **97      Operating levels for infrastructure**

- (1) The operating levels for the infrastructure in the Pine Valleys Water Supply Scheme are specified in Attachment 6, Table 1.
- (2) The resource operations licence holder must not release or supply water from any infrastructure when the water level in that infrastructure is at or below its minimum operating level.
- (3) The resource operations licence holder must not release water from any infrastructure unless the release is necessary to supply downstream demand and is made in accordance with this plan.

### **98      Quality of water released**

When releasing water from North Pine Dam, the resource operation licence holder must draw water from the inlet level that optimises the quality of water released.

### **99      Rate of release from infrastructure**

The resource operations licence holder must minimise the occurrence of adverse environmental impacts by ensuring that any change in the rate of release of water from North Pine Dam occurs incrementally.

## Part 2 Water sharing rules

### Division 1 Announced allocations

#### 100 Announced allocations

The resource operations licence holder must—

- (a) calculate an announced allocation for each priority group for use in defining the share of water available to be taken under water allocations in that priority group;
- (b) use the water sharing rules specified in this part to calculate announced allocations throughout the water year;
- (c) calculate and set the announced allocation for each priority group to take effect on the first day of each water year;
- (d) following the commencement of a water year—
  - (i) recalculate the announced allocation to take effect no later than 5 business days following the first day of the month;
  - (ii) reset the announced allocation if a recalculation indicates that the recalculated announced allocation would—
    - (A) for high priority water allocations increase by 5 or more percentage points; or
    - (B) increase to 100 per cent
- (e) within 5 business days of setting an announced allocation under subsection 1(c) or the first calendar day of every month when resetting the announced allocation under subsection 1(d) make public details of the announced allocation, including parameters for determining the announced allocation, on the resource operations licence holder's internet site for the Pine Valleys Water Supply Scheme;
- (f) not reduce the announced allocation during a water year;
- (g) round the announced allocation to the nearest whole percentage point; and
- (h) not set an announced allocation that is greater than 100 per cent.

#### 101 Announced allocation for 'High Priority A' water allocations

- (1) The announced allocation for 'High Priority A' water allocations in the Pine Valleys Water Supply Scheme must be as follows—
  - (a) 100 per cent when the level of water in storage in North Pine Dam is greater than E.L. 29.3m AHD; and
  - (b) when the water level of water in storage in North Pine Dam is equal to or less than E.L. 29.3m AHD the announced allocation percentage for high priority water allocations must be calculated using the following formula—

$$AA_{HPA} = \frac{\lceil UV + DIV_{HPA} \rceil}{HPAA} \times 100$$

- (2) The parameters used in the formula for announced allocations are defined in Attachment 6, Table 2.

## **102 Taking water under a water allocation**

The total volume of water taken under a water allocation in a water year must not exceed the nominal volume of the water allocation multiplied by the announced allocation and divided by 100.

## **Division 2 Critical water sharing arrangements**

### **103 Critical water sharing arrangements**

- (1) Critical water sharing arrangements are in force when the water level in North Pine Dam is equal to or less than E.L. 29.3m AHD.
- (2) During times when critical water sharing arrangements are in force the resource operations licence holder must calculate the announced allocation for high priority water allocations in accordance with section 101(1)(b) of this plan.

## **Part 3 Dealing with water allocations**

### **104 Scope of Part 3**

This part provides for dealings with water allocations managed or distributed by a resource operations licence holder for the Pine Valleys Water Supply Scheme.

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

### **105 Permitted 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 is the same as that 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 groups of water allocations that are being amalgamated are the same.

### **106 Prohibited subdivisions or amalgamations**

- (1) Subdivision of a water allocation is prohibited where the combined nominal volume of each new water allocation is not equal to the nominal volume of the original water allocation being subdivided.
- (2) Amalgamation of a water allocation is prohibited where the nominal volume of the new water allocation is not equal to the combined nominal volume of the original water allocations being amalgamated.

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

### **Subdivision 1                      Prohibited changes**

#### **107              Prohibited changes**

The following changes are prohibited—

- (a) a change to the purpose or location of a water allocation;
- (b) a change to a priority group that is not specified in the *Water Resource (Moreton) Plan 2007*.

### **Subdivision 2                      Other changes**

#### **108              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 section 130 of the *Water Act 2000*.

## **Part 4                              Seasonal water assignment rules**

#### **109              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 Pine Valleys Water Supply Scheme is the maximum allowable water use volume indicated in Attachment 6, Table 3 for each zone; and
- (b) total water use in a zone is the total volume of water used under water allocations for all priority groups managed and distributed by the resource operations licence holder for the zone.

#### **110              Seasonal water assignment rules**

- (1) The resource operations licence holder may approve a seasonal assignment of a volume of water provided that the total volume of water use in a water year for each zone will not exceed the maximum allowable water use volume in Attachment 6, Table 3 for each zone.
- (2) The resource operations licence holder is responsible for dealing with applications for seasonal water assignment where the resource operations licence holder distributes water to the assignee.

#### **111 to 117 Section numbers are not used**

## **Chapter 7      Cressbrook Creek Water Supply Scheme**

### **118      Application of Chapter 7**

This chapter applies to—

- (a) the resource operations licence holder for the Cressbrook Creek Water Supply Scheme; and
- (b) all water allocations associated with the Cressbrook Creek Water Supply Scheme.

## **Part 1              Operating and environmental management rules**

### **119      Use of watercourses for distribution**

The resource operations licence holder must only use the following watercourses for the distribution of water—

- (a) the ponded area of Cressbrook Dam;
- (b) the part of Cressbrook Creek from the ponded area of Cressbrook Dam upstream to the confluence of Cressbrook Creek and Perseverance Creek;
- (c) the part of Perseverance Creek at the confluence with Cressbrook Creek upstream to and including the ponded area of Perseverance Dam;
- (d) sections of tributaries of the Cressbrook and Perseverance creeks which contain water ponded behind the infrastructure in the water supply scheme or ponded from natural waterholes located in the reaches described in (a) and (b) above.

### **120      Operating levels for infrastructure**

- (1) The operating levels for the infrastructure in the Cressbrook Creek Water Supply Scheme are specified Attachment 7, Table 1 and Table 2.
- (2) The resource operations licence holder must not release or supply water from any infrastructure when the water level in that infrastructure is at or below its minimum operating level.
- (3) The resource operations licence holder must not release water from any infrastructure unless the release is necessary to—
  - (a) meet the requirements in section 122 and 123; or
  - (b) supply downstream demand.

### **121      Rate of release from infrastructure**

The resource operations licence holder must minimise the occurrence of adverse environmental impacts by ensuring that any change in the rate of release of water from Perseverance Dam and Cressbrook Dam occurs incrementally.

### **122      Releases from Cressbrook Dam**

- (1) The resource operations licence holder must make releases from Cressbrook Dam when—

- (a) the following criteria are satisfied—
  - (i) the combined percentage of volume in storage in Cressbrook and Perseverance dams is greater than 35 per cent
  - (ii) Cressbrook Dam is not spilling; and
  - (iii) the water level in Cressbrook Creek Weir<sup>8</sup> on Cressbrook Creek is less than E.L. 98.75m AHD; and
  - (iv) the water level in Lower Cressbrook Creek Weir<sup>9</sup> on Cressbrook Creek is less than E.L. 77.47m AHD; and
  - (v) the flow in Cressbrook Creek at Rosentretters gauging station is less than 5 ML per day; or
- (b) the chief executive is satisfied that a release is required.
- (2) When a release is triggered to occur under 1(a), the release must—
  - (a) commence within 3 business days;
  - (b) be at a rate sufficient to maintain the water level in Cressbrook Creek Weir at greater than E.L. 98.25m AHD;
  - (c) be at a rate sufficient to maintain the water level in Lower Cressbrook Creek Weir at greater than E.L. 77.22m AHD; and
  - (d) cease if both the Cressbrook Creek Weir and the Lower Cressbrook Weir are at full supply level.
- (3) When a release is triggered to occur under 1(b), the chief executive must notify the resource operations licence holder within 5 business days and the release must—
  - (a) commence within 3 business days of notification being made;
  - (b) be made at a rate which will not result in a flow of greater than 3 ML per day in Cressbrook Creek at AMTD 26.0 km; and
  - (c) cease when the chief executive is satisfied a release under subsection 1(b) is no longer required.
- (4) When a release is triggered under subsection 1 the resource operations licence holder must within the water year release the annual release volume corresponding to the combined percentage of volume in storage specified in Attachment 7, Table 3.
- (5) The resource operations licence holder must change the annual release volume determined in subsection 4 only if the combined percentage of volume in storage changes to a different percentage range within the water year.
- (6) When subsection 5 applies the volume of water to be released must be determined in consideration of the volume of water already released during the water year.
- (7) The resource operations licence holder must cease making a release when the annual release volume determined under subsections 4, 5 or 6 has been released.
- (8) The resource operations licence holder must, within 5 business days of setting or changing a release volume under subsections 4, 5 or 6, make public the details of the release volume on the resource operations licence holder's internet site.
- (9) The combined percentage of volume in storage for Cressbrook and Perseverance dams must be calculated using the following formula—

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<sup>8</sup> The full supply level for Cressbrook Creek Weir is R.L. 99.25 m AHD.

<sup>9</sup> The full supply level for Lower Cressbrook Creek Weir is R.L. 77.97 m AHD.

$$CPVS = \frac{[CVCressbrook + CVPerseverance]}{CFSV} \times 100$$

- (10) The parameters used in the formula for combined percentage of volume in storage are defined in Attachment 7, Table 4.

### **123 Releases from Perseverance Dam**

- (1) The resource operations licence holder must release a minimum flow volume of 4.92 ML/day from Perseverance Dam when—
  - (a) the water level in Perseverance dam is equal to or greater than R.L. 431.6 m AHD; and
  - (b) an inflow into Perseverance Dam of equal to or greater than 5 ML/day is occurring; or
  - (c) the chief executive is satisfied that a release is required.
- (2) Releases made under subsection 1 must commence within one business day of a release being triggered.
- (3) Releases made under subsection 1(c) must cease when the chief executive is satisfied the release is no longer required.

## **Part 2 Water sharing rules**

### **Division 1 Announced allocations**

#### **124 Announced allocations**

The resource operations licence holder must—

- (a) calculate an announced allocation for the priority group for use in defining the share of water available to be taken under water allocations in the priority group;
- (b) use the water sharing rules specified in this part to calculate announced allocations throughout the water year;
- (c) calculate and set the announced allocation for each priority group to take effect on the first day of each water year;
- (d) following the commencement of a water year—
  - (i) recalculate the announced allocation to take effect no later than 5 business days following the first day of the month;
  - (ii) reset the announced allocation if a recalculation indicates that the recalculated announced allocation would—
    - (A) increase by 5 or more percentage points; or
    - (B) increase to 100 per cent
  - (iii) within 5 business days of setting an announced allocation under subsection 1(c) or the first calendar day of every month when resetting the announced allocation under subsection 1(d) make public details of the announced allocation, including parameters for determining the announced allocation,

on the resource operations licence holder's internet site for the Cressbrook Creek Water Supply Scheme;

- (e) not reduce the announced allocation during a water year;
- (f) round the announced allocation to the nearest whole percentage point; and
- (g) not set an announced allocation that is greater than 100 per cent.

## **125 Announced allocation for 'High Priority A' water allocations**

- (1) The announced allocation for 'High Priority A' water allocations must be as follows—
  - (a) 100 per cent when the combine percentage of volume in water in Cressbrook and Perseverance dams is equal to or greater than 35 per cent or
  - (b) when the combined age of volume of water in storage in Cressbrook and Perseverance dams is less than 35 per cent the announced allocation percentage for high priority water allocations must be calculated using the following formula—

$$AA_{HPA} = \frac{UV + DIV_{HPA}}{HPAA} \times 100$$

- (2) The parameters used in the announced allocation formula are detailed in Attachment 7, Table 5.

## **126 Taking water under water allocation**

The total volume of water taken under a water allocation in a water year must not exceed the nominal volume of the water allocation multiplied by the announced allocation and divided by 100.

## **Division 2 Critical water sharing arrangements**

### **127 Critical water sharing arrangements**

- (1) Critical water sharing arrangements are in force when the combined percentage of volume in storage of Cressbrook and Perseverance dams is less than 35 per cent.
- (2) During times when critical water sharing arrangements are in force the resource operations licence holder must—
  - (a) cease making releases from Cressbrook Dam and Perseverance Dam under sections 122 and 123 of this plan; and
  - (b) determine the announced allocation for high priority water allocations in accordance with section 125(1)(b) of this plan.

## **Part 3 Dealing with water allocations**

### **128 Scope of Part 3**

This part provides for dealings with water allocations managed or distributed by the resource operations licence holder for the Cressbrook Creek Water Supply Scheme.



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

### **129       Permitted 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 is the same as that 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 groups of water allocations that are being amalgamated are the same.

### **130       Prohibited subdivisions or amalgamations**

- (1) Subdivision of a water allocation is prohibited where the combined nominal volume of each new water allocation is not equal to the nominal volume of the original water allocation being subdivided.
- (2) Amalgamation of a water allocation is prohibited where the nominal volume of the new water allocation is not equal to the combined nominal volume of the original water allocations being amalgamated.

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

### **131       Prohibited changes**

The following changes are prohibited—

- (a) a change to the purpose or location of a water allocation;
- (b) a change to a priority group that is not specified in the *Water Resource (Moreton) Plan 2007*.

## **Division 3                      Other changes**

### **132       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 section 130 of the *Water Act 2000*.

## **Part 4                          Seasonal water assignment rules**

### **133       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 Cressbrook Creek Water Supply Scheme is the maximum allowable water use volume indicated in Attachment 7, Table 6 for the zone; and
- (b) total water use in the zone is the total volume of water used under water allocations for all priority groups managed and distributed by the resource operations licence holder for the zone.

**134 Seasonal water assignment rules**

- (1) The resource operations licence holder may approve a seasonal assignment of a volume of water provided that the total volume of water use in a water year for the Cressbrook Zone will not exceed the maximum allowable water use volume in Attachment 7, Table 6 for the zone.
- (2) The resource operations licence holder is responsible for dealing with applications for seasonal water assignment where the resource operations licence holder distributes water to the assignee.

**135 to 141 Section numbers are not used**

## Chapter 8      Performance assessment

### 142      Water monitoring

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

### 143      Natural ecosystems monitoring

The chief executive must collect and keep publicly available information on—

- (a) ecological assets that are linked to the ecological outcomes of the *Water Resource (Moreton) Plan 2007*; and
- (b) the critical water requirements of ecological assets, including the provision of these requirements under the *Water Resource (Moreton) Plan 2007*.

### 144      Assessment

The chief executive must make ongoing assessments of whether the trends in the data measured, collected and recorded under section 142 and section 143 of this plan indicate that outcomes specified in the *Water Resource (Moreton) Plan 2007* are being achieved.

**145 to 149 Section numbers are not used**

## **Chapter 9      Resource operations licence holder monitoring and reporting**

### **150      Scope of Chapter 9**

This chapter sets out the monitoring and reporting requirements that apply to—

- (a) the resource operations licence holders for the Central Brisbane River, Cressbrook Creek, Pine Valleys and Stanley River water supply schemes; and
- (b) all water allocations associated with the Central Brisbane River, Cressbrook Creek and Pine Valleys water supply schemes.

### **151      Monitoring data must be made available**

The resource operations licence holder must provide any monitoring data required under this chapter to the chief executive upon request and within the time requested.

## **Part 1              Monitoring requirements**

### **Division 1              Water quantity**

#### **152      Streamflow and infrastructure water level**

- (1) The resource operations licence holder must record water level and volume and stream flow data in accordance with Attachment 9, Table 1.
- (2) Infrastructure inflows may be determined based upon an infrastructure inflow derivation technique supplied by the resource operations licence holder and approved by the chief executive.
- (3) The infrastructure inflow derivation technique must be supplied to the chief executive for approval within 40 business days of the commencement of this plan.

#### **153      Releases from infrastructure**

- (1) This section applies to the following infrastructure—
  - (a) Cressbrook Dam;
  - (b) Mount Crosby Weir;
  - (c) North Pine Dam;
  - (d) Perseverance Dam;
  - (e) Somerset Dam; and
  - (f) Wivenhoe Dam.
- (2) The resource operations licence holder must measure and record for each release of water from infrastructure listed in subsection 1—
  - (a) the daily volume released;
  - (b) the release rate and for each change in release rate—
    - (i) the date and time of the change; and

- (ii) the new release rate;
  - (c) the reason for each release; and
  - (d) the device used for each release.
- (3) The resource operations licence holder for infrastructure mentioned in subsection 1(c) and 1(f) must record—
  - (a) the inlet level used for each release of water; and
  - (b) the reason for taking water via a particular inlet level.

#### **154 Announced allocations**

The resource operations licence holder must record details of announced allocation determinations including—

- (a) the announced allocations for medium and high priority water allocations;
- (b) the date announced allocations are determined; and
- (c) the value of each parameter applied for calculating the announced allocation.

#### **155 Water taken by water users**

The resource operations licence holder must record the total volume of water taken, by each water user for each zone as follows—

- (a) the total volume of water taken in each quarter;
- (b) the total volume of water entitled to be taken at any time; and
- (c) the basis for determining the total volume of water entitlement to be taken at any time.

#### **156 Seasonal water assignment of water allocations**

The resource operations licence holder that approves a seasonal water assignment must record details of seasonal water assignment arrangements including—

- (a) the name of the assignee, volume and location of water that has been seasonally assigned by an assignor;
- (b) the name of the assignor, volume and location of the water that has been seasonally assigned to an assignee; and
- (c) the effective date of seasonal water assignments.

#### **157 Critical water sharing arrangements**

The resource operations licence holder must record details of critical water sharing arrangements including the following—

- (a) the commencement date(s) and effective period of critical water sharing arrangements; and
- (b) the effectiveness of the critical water sharing arrangements.

## **Division 2                      Impact of infrastructure operation on natural ecosystems**

### **158        Water quality**

The resource operations licence holder must monitor and record water quality data in relation to relevant infrastructure listed in Attachments 5, 6 and 7.

### **159        Bank condition**

- (1) The resource operations licence holder must inspect banks for evidence of collapse or erosion within the ponded areas and downstream of the relevant infrastructure listed in Attachments 5, 6 and 7 following instances of—
  - (a) rapid water level changes;
  - (b) large flows through infrastructure; or
  - (c) other occasions when collapse or erosion of banks may be likely.
- (2) For subsection 1, downstream of the relevant infrastructure means the distance of influence of infrastructure operations.

### **160        Fish stranding**

The resource operations licence holder must record and assess instances of fish stranding in watercourses and ponded areas associated with relevant infrastructure listed in Attachments 5, 6 and 7 to determine if any instance of fish stranding is associated with the operation of that infrastructure.

## **Part 2                      Reporting requirements**

### **161        Reporting requirements**

The resource operations licence holder must provide—

- (a) quarterly reports;
- (b) annual reports for the previous water year;
- (c) operational reports; and
- (d) emergency reports.

## **Division 1                      Quarterly reporting**

### **162        Quarterly report**

- (1) The resource operations licence holder must submit a quarterly report to the chief executive after the end of each quarter, of every water year.
- (2) The report must contain the following data—
  - (a) stream flow and infrastructure water levels—all records referred to in section 152 of this plan;
  - (b) the total volume of water for each quarter—
    - (i) taken for each zone;

- (ii) entitled to be taken from each zone;
- (c) water quality—all records referred to in section 158 of this plan;
- (d) a summary of bank condition monitoring and incidences of slumping, undertaken in accordance with section 159 of this plan; and
- (e) the details and status of any programs implemented under section 13 of this plan.

## **Division 2                      Annual reporting**

### **163      Annual report**

- (1) The resource operations licence holder must submit an annual report to the chief executive after the end of each water year.
- (2) The annual report must include—
  - (a) water quantity monitoring results required under section 164 of this plan;
  - (b) details of the impact of infrastructure operation on water quality as required under section 164 of this plan;
  - (c) a discussion about any issues that arose as a result of the implementation and application of the rules and requirements of this plan.

### **164      Water quantity monitoring—annual report**

The resource operations licence holder must include in the annual report under section 163—

- (a) A summary of announced allocation determinations, including—
  - (i) an evaluation of the announced allocation procedures and outcomes; and
  - (ii) the date and value for the initial announced allocation and for each change made to an announced allocation;
- (b) instances where critical water sharing arrangements have been implemented—
  - (i) an evaluation of the effectiveness of the arrangements and outcomes; and
  - (ii) the commencement date(s) and effective period(s) for each stage of the arrangements and outcomes;
- (c) records from infrastructure—records referred to in section 153;
- (d) the total annual volume of water taken by each water user, specified by zone, namely—
  - (i) the total annual volume of supplemented water taken;
  - (ii) the total annual volume of supplemented water entitled to be taken; and
  - (iii) the basis for determining the volume entitled to be taken;
- (e) details of seasonal water assignments, namely—
  - (i) the total number of seasonal water assignment arrangements; and
  - (ii) the total volume of water seasonally assigned;
- (f) all details of changes to infrastructure or the operation of the infrastructure that may impact on compliance with rules in this plan; and

- (g) details of any new monitoring devices used such as equipment to measure stream flow.

## **165 Impact of infrastructure operation on natural ecosystems—Annual report**

The resource operations licence holder must include in the annual report under section 163—

- (a) a summary of environmental considerations made by the resource operations licence holder in making operational and release decisions;
- (b) a summary of the environmental outcomes of the decision including any adverse environmental impacts;
- (c) a summary of bank condition and fish stranding monitoring and assessment, including—
  - (i) results of investigations of bank slumping or erosion identified in ponded areas or downstream of infrastructure;
  - (ii) results of investigations of fish stranding downstream of infrastructure; and
  - (iii) changes to the operation of infrastructure to reduce instances of bank slumping, erosion or fish stranding;
- (d) a discussion and assessment of the following water quality issues—
  - (i) thermal and chemical stratification in each water storage associated with infrastructure;
  - (ii) contribution of the water storage and its management to the quality of water released;
  - (iii) cumulative effect of successive water storages associated with infrastructure on water quality;
  - (iv) cyanobacteria population changes in response to stratification in each water storage; and
  - (v) any changes to the monitoring program as a result of evaluation of the data.

## **Division 3 Operational reporting**

### **166 Operational report**

The resource operations licence holder must—

- (a) notify the chief executive within one business day of becoming aware of any of the following operational incidents—
  - (i) a non-compliance by the resource operations licence holder with the rules in this plan; and
  - (ii) instances of fish stranding or bank slumping within the impounded areas or downstream of infrastructure listed in Attachment 9, Table 1 or watercourses associated with the operation of the Central Brisbane River, Cressbrook Creek, Pine Valleys and Stanley River water supply schemes;
- (b) provide to the chief executive a report which includes details of—
  - (i) the incident;
  - (ii) conditions under which the incident occurred; and



- (iii) any responses or activities carried out as a result of the incident;
- (c) notify the chief executive upon commencement and cessation of critical water sharing arrangements; and
- (d) notify the chief executive on approval of any seasonal water assignment, including—
  - (i) the name and location of the assignees and assignors; and
  - (ii) the zone or zones where water is being seasonally assigned to and from;
- (e) notify the chief executive upon making a decision relating to an initial announced allocation and/or its recalculation;
- (f) transfer to the chief executive—
  - (i) details of any arrangements for addressing circumstances where the resource operations licence holder is unable to supply water allocations under subsection (e); and
  - (ii) relevant supporting information used in making a decision under subsection (e).

## **Division 4                      Emergency reporting**

### **167      Emergency report<sup>10</sup>**

In an emergency where the resource operations licence holder cannot comply with a rule in this plan as a result of an emergency, the resource operations licence holder must—

- (a) notify the chief executive upon discovery of the emergency; and
- (b) provide to the chief executive a report that includes—
  - (i) details of the emergency;
  - (ii) conditions under which the emergency occurred;
  - (iii) any responses or activities carried out as a result of the emergency; and
  - (iv) any rules specified in this plan that the resource operations licence holder is either permanently or temporarily unable to comply with due to the emergency.

### **168 to 172 Section numbers are not used**

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<sup>10</sup> This does not preclude requirements for dam safety under the *Water Act 2000* and any other applicable legislation.

## **Chapter 10 Amendments to the resource operations plan**

### **173 Scope of Chapter 10**

This chapter states the types of amendment that can be made to this plan under the *Water Act 2000* that—

- (a) do not require public notification—Part 1; and
- (b) do require public notification—Part 2.

### **Part 1 Amendments not requiring public notification**

#### **174 Application of Part 1**

This part states the amendments that may be made to this plan under section 106(b) of the *Water Act 2000*.

#### **175 Amendment to implement an amendment to the *Water Act 2000***

An amendment that is necessary to implement an amendment to the *Water Act 2000* may be made to this plan.

#### **176 Amendment to implement an amendment to the *Water Resource (Moreton) Plan 2007***

An amendment that is necessary to implement an amendment to the *Water Resource (Moreton) Plan 2007* made under section 57(b) of the *Water Act 2000* may be made to this plan.

#### **177 Amendment to monitoring requirements**

- (1) An amendment that provides for improved or more efficient monitoring for assessing the *Water Resource (Moreton) Plan 2007* outcomes may be made to this plan.
- (2) The amendments under subsection 1 may include, but are not limited to, the following—
  - (a) an increase in reporting requirements for compliance purposes;
  - (b) an increase in or addition to monitoring requirements, if further information is required; or
  - (c) a reduction or removal of State or resource operations licence holder monitoring requirements, if the chief executive is satisfied that no further information or benefit is to be gained from the continuation of the monitoring requirements.

#### **178 Amendment to infrastructure details**

An amendment may be made to the infrastructure details listed in Attachment 5, 6, 7 and 10 of this plan, provided the amendment is—

- (a) an amendment to facilitate the installation of a fish transfer system on any infrastructure; or
- (b) an amendment to facilitate the installation of, or modification to, multi-level inlet works on any infrastructure.

**179 Amendment to critical water sharing arrangements**

An amendment may be made to this plan to amend critical water sharing arrangements in section 81, 104 and 128 of this plan.

**180 Other amendments to this plan**

- (1) An amendment may be made to this plan if the chief executive is satisfied that the proposed amendment would not cause any significant detrimental impact on—
  - (a) existing water entitlement holders or;
  - (b) the availability of water for—
    - (i) ecological assets; or
    - (ii) natural ecosystems.
- (2) The amendments under subsection 1 may include, but are not limited to, the following—
  - (a) an amendment to the process for granting or amending a resource operations licence contained in Chapter 3 of this plan;
  - (b) an amendment to infrastructure details, operating and environmental management rules, dealings with water allocations, water sharing rules or seasonal water assignment rules.

## **Part 2 Amendments requiring public notification**

**181 Application of Part 2**

This part states the amendments that may be made to this plan under section 105(5) of the *Water Act 2000*.

**182 Amendments under the *Water Act 2000***

- (1) The chief executive may amend this plan under section 105(5) of the *Water Act 2000* to include additional requirements for water management.
- (2) Amendments that may occur under section 105(5) of the *Water Act 2000* include, but are not limited to—
  - (a) an addition or amendment to resource operations plan zones, including the amalgamation or subdivision of existing zones;
  - (b) providing for the operation and management of new water infrastructure, where the chief executive is satisfied that the proposed infrastructure details, operating and environmental management rules, dealings with water allocations, water sharing rules or seasonal water assignment rules meet the objectives and outcomes of the *Water Resource (Moreton) Plan 2007*;

- (c) an addition or amendment to infrastructure details, operating and environmental management rules, dealings with water allocations, water sharing rules or seasonal water assignment rules for existing infrastructure where the chief executive is satisfied that the proposed amendment meets the objectives and outcomes of the *Water Resource (Moreton) Plan 2007*; or
- (d) an amendment to provide for granting unallocated water from the strategic reserve in accordance with section 24 of the *Water Resource (Moreton) Plan 2007*.

## Attachment 1 Glossary

Term	Definition
<b>AHD</b>	Australian Height Datum, which references a level or height to a standard base level.
<b>Announced allocation</b>	For a water allocation managed under a resource operations licence means a number, expressed as a percentage, which is used to determine the maximum volume of water that may be taken in a water year under the authority of a water allocation.
<b>Announced period</b>	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.
<b>Assignee</b>	The person or entity to whom an interest or right to water is being transferred (e.g. seasonally assigned).
<b>Assignor</b>	The person or entity who transfers an interest or right in water to an assignee (e.g. a seasonal assignment).
<b>Cease to flow level</b>	For a waterhole, the level at which water stops flowing from a waterhole over its downstream control.
<b>CPUVS</b>	See Attachment 5, Table 6.
<b>CPVS</b>	See Attachment 7, Table 4.
<b>Critical water sharing arrangements</b>	For the purposes of this plan the Critical Water Sharing Arrangements are the Critical Water Supply Arrangements as defined in section 59 of the <i>Water Resource (Moreton) Plan 2007</i> .
<b>E.L.</b>	Means elevation level.
<b>Existing water authorisations</b>	A water licence, interim water allocation or other authority to take water that has effect immediately prior to the commencement of this plan.
<b>Fish stranding</b>	Fish stranding means when fish are stranded or left out of water on the bed or banks of a watercourse, on infrastructure such as spillways and causeways, or left isolated in small or shallow pools, from which they cannot return to deeper water. Stranding also applies to other aquatic species.
<b>Full Supply Volume</b>	The specified maximum volume of water within the ponded area of a dam, weir or barrage, which corresponds to the full supply level.
<b>Headwater level</b>	The level (or elevation) of the water immediately upstream of a dam, weir, or other hydraulic structure.

<b>Term</b>	<b>Definition</b>
<b><i>Infrastructure</i></b>	A dam, weir or other water storage and any associated works for taking or interfering with water in a watercourse, lake or spring.
<b><i>Inlet</i></b>	Infrastructure comprised of an entrance channel, intake structure, and gate or valve which allow for water to be taken from the ponded area of a dam, weir or barrage and discharged via an outlet into the watercourse downstream of the storage.
<b><i>Location</i></b>	For a water allocation, means the zone and/or place 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.
<b><i>Megalitre (ML)</i></b>	One million litres.
<b><i>Minimum operating level</i></b>	For a dam or weir, is the volume of water within the ponded area of a dam, weir or barrage below which water cannot be released or taken from the infrastructure under normal operating conditions.
<b><i>Minimum operating volume</i></b>	The specified minimum volume of water within the ponded area of a dam weir or barrage below which water cannot be released or taken from the infrastructure under normal operating conditions.
<b><i>Outlet</i></b>	Means an arrangement on a dam or weir that allows stored water to be released downstream.
<b><i>Ponded area</i></b>	Area of inundation at full supply level of a dam, weir or barrage.
<b><i>Priority group</i></b>	A grouping of water allocations for taking supplemented water from a water supply scheme with the same Water Allocation Security Objective (WASO).
<b><i>Quarter or quarterly</i></b>	Three monthly intervals commencing at the start of the water year.
<b><i>Release</i></b>	Water from a dam or weir that passes downstream from the dam or weir either through the dam or weir outlet works or over the dam spillway.
<b><i>Release rate</i></b>	Rate of release of water from a storage facility. Should this be dam or weir.
<b><i>Resource operations licence holder</i></b>	Means the holder of a resource operations licence for the Central Brisbane River, Stanley River and Pine Valleys water supply scheme or the holder of a resource operations licence for the Cressbrook Creek Water Supply Scheme.
<b><i>Resource operations plan zone</i></b>	Refer to section 7 of this plan.

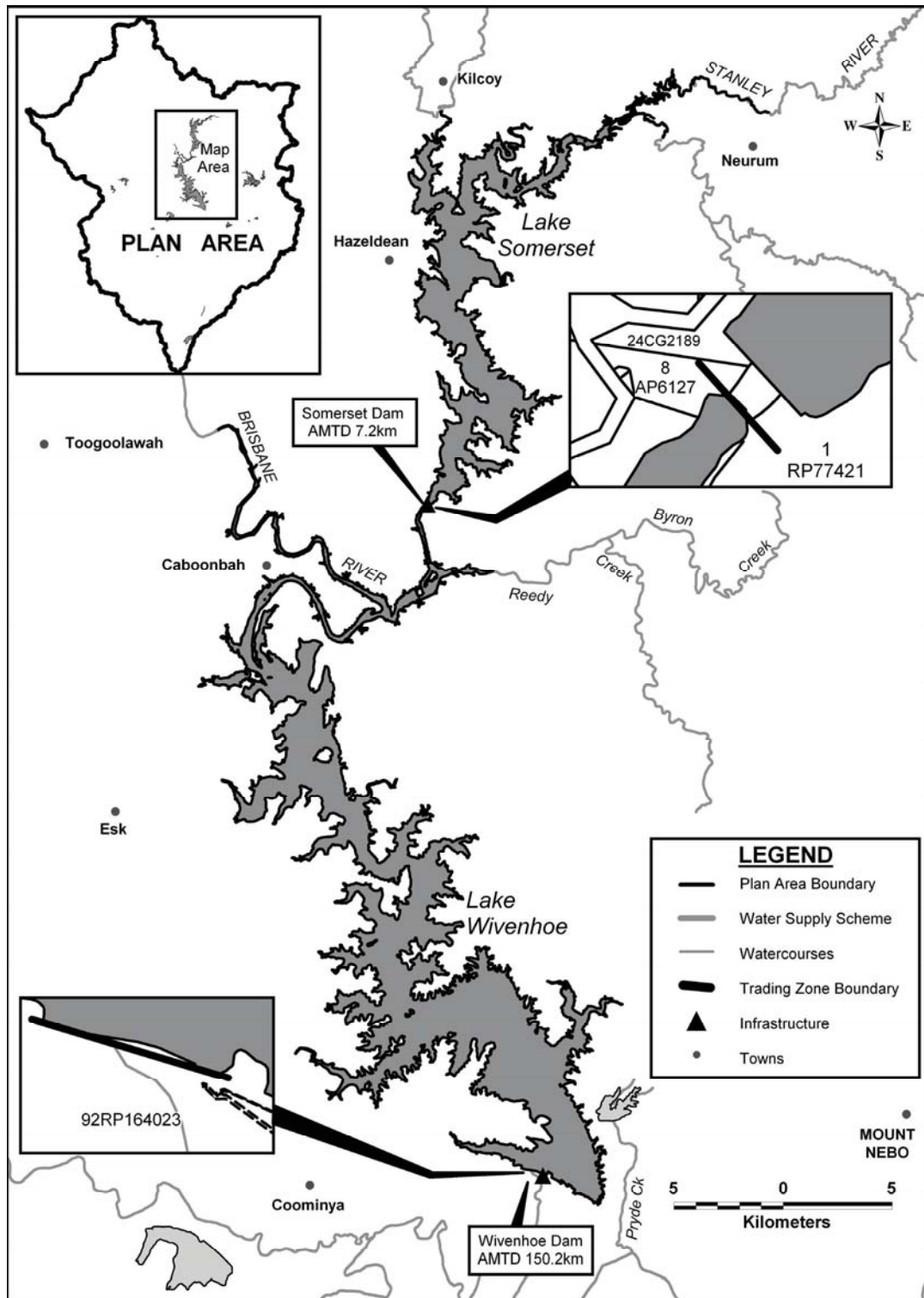
<b>Term</b>	<b>Definition</b>
<b><i>R.L.</i></b>	Means relative level.
<b><i>Stream flow</i></b>	Includes flow of water resulting from tributary inflows, and does not include releases of supplemented water.
<b><i>Tailwater</i></b>	The flow of water immediately downstream of a dam, weir or barrage. Tail water includes all water passing the infrastructure, for example controlled releases and uncontrolled overflows.
<b><i>Valid change certificate</i></b>	A certificate issued under Section 129 of the <i>Water Act 2000</i> .
<b><i>Waterhole</i></b>	A part of a watercourse that contains water after the watercourse ceases to flow, other than a part of a watercourse that is within the ponded area of a dam, weir or barrage on the watercourse.
<b><i>Water use</i></b>	Refers to actual take of water.
<b><i>Water year</i></b>	The period from 1 July to 30 June.

## Attachment 2(a) Plan Area

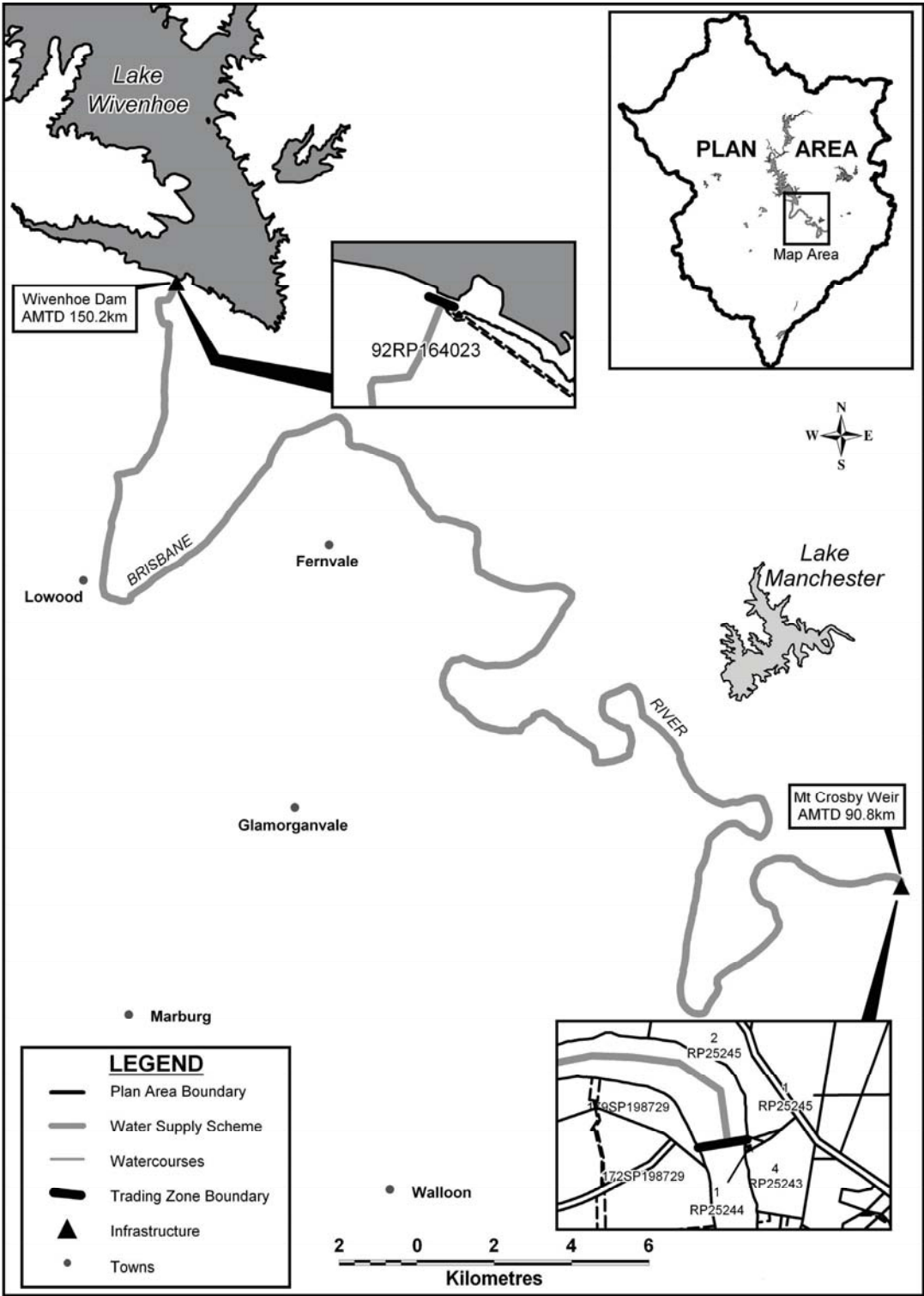




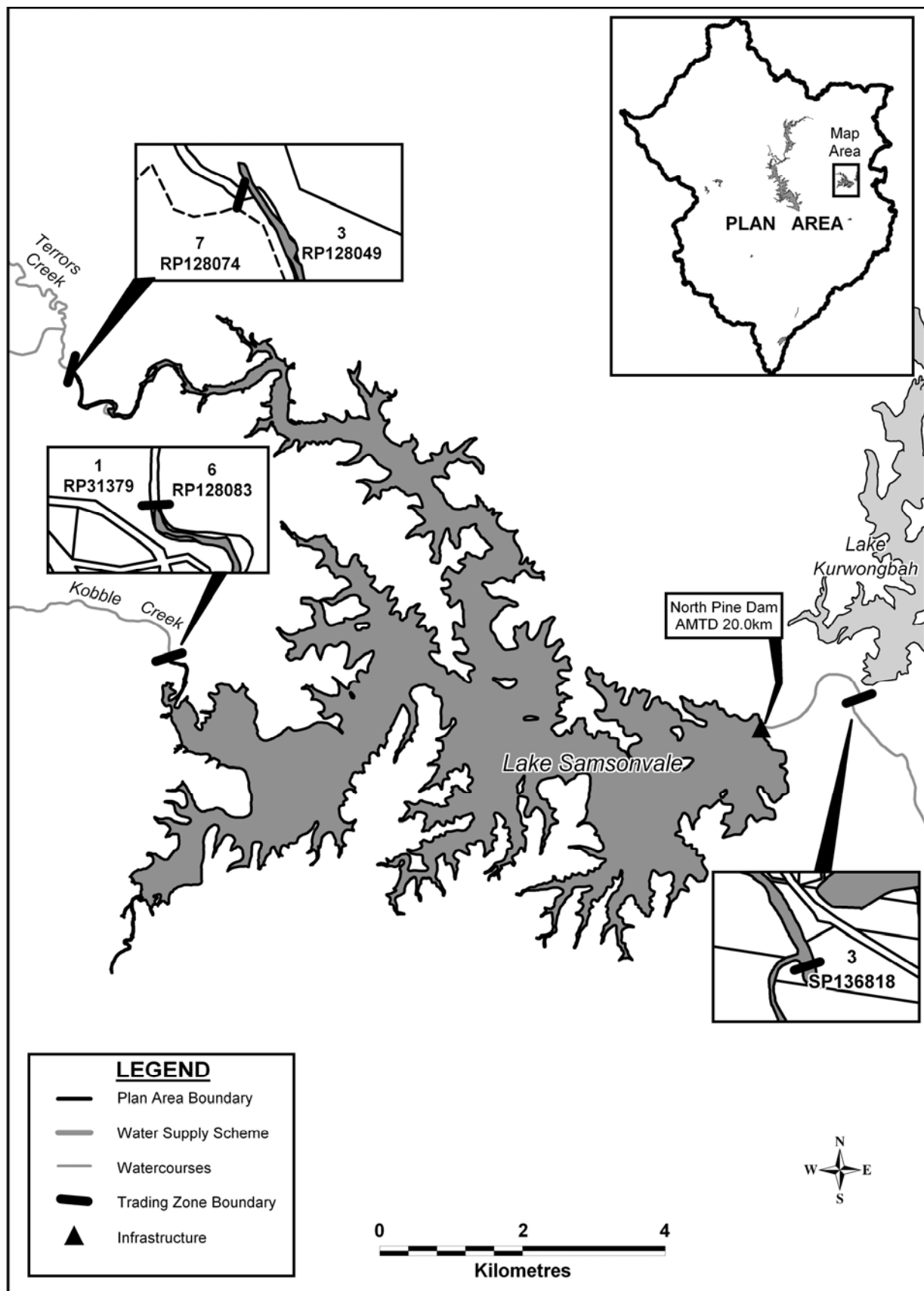
## Attachment 2(b) Brisbane Zone



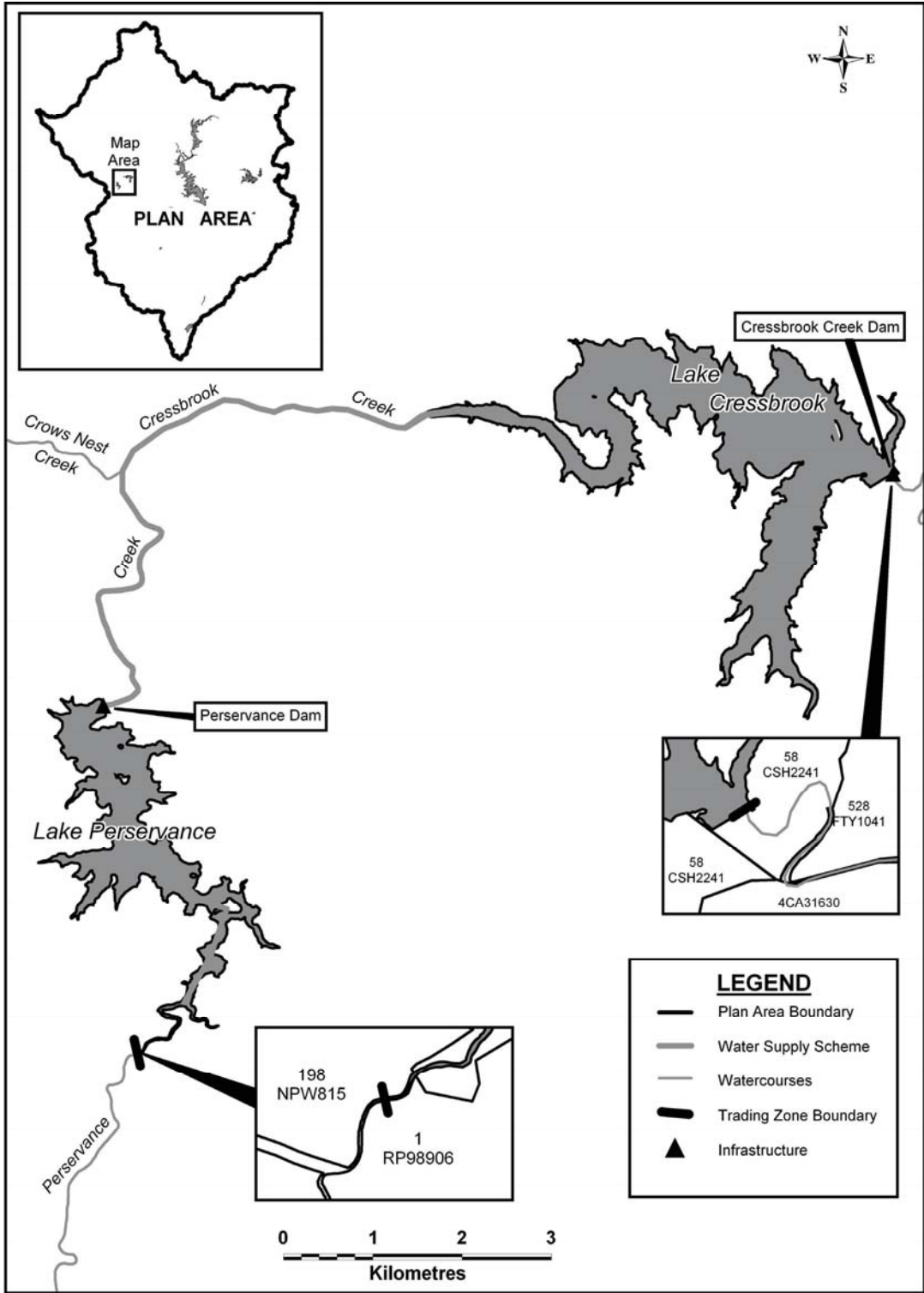
Attachment 2(c) Mid-Brisbane Zone



## Attachment 2(d) North Pine Zone



Attachment 2(e) Cressbrook Zone



### Attachment 3 Links between this plan and the outcomes of the *Water Resource (Moreton) Plan 2007*

General surface water outcomes of the <i>Water Resource (Moreton) Plan 2007</i> (Section 11)	Resource operations plan rules
11 Each of the following is a general outcome for surface water in the plan area—	
11(a) to provide for additional water to be taken from the plan area for future water requirements	<ul style="list-style-type: none"> <li>• dealing with unallocated water</li> </ul>
11(b) to protect the probability of taking water under water entitlements	<ul style="list-style-type: none"> <li>• granting, amending and converting authorisations</li> <li>• dealing with water licence applications</li> <li>• operating and environmental management rules</li> <li>• water sharing rules</li> <li>• releases from Cressbrook Dam</li> <li>• releases from Perseverance Dam</li> </ul>
11(c) to provide options for water users to implement their own provisions for security of supply	<ul style="list-style-type: none"> <li>• operating and environmental management rules</li> <li>• water sharing rules</li> <li>• water allocation change rules</li> <li>• seasonal water assignment rules</li> <li>• resource operations licence holder monitoring and reporting</li> </ul>
11(d) to provide for the continued use of all water entitlements and other authorisations to take or interfere with water in the plan area	<ul style="list-style-type: none"> <li>• granting, amending and converting authorisations</li> <li>• dealing with water licence applications</li> <li>• water sharing rules</li> </ul>
11(e) to encourage the efficient use of water	<ul style="list-style-type: none"> <li>• operating and environmental management rules</li> <li>• water sharing rules</li> <li>• water allocation change rules</li> <li>• resource operations licence holder monitoring and reporting</li> </ul>
11(f) to ensure water supply for essential services	<ul style="list-style-type: none"> <li>• operating and environmental management rules</li> <li>• water sharing rules</li> </ul>

General surface water outcomes of the <i>Water Resource (Moreton) Plan 2007</i> (Section 11)	Resource operations plan rules
11(g) to achieve ecological outcomes consistent with supporting natural ecosystems by minimising changes to natural flow regimes	<ul style="list-style-type: none"> <li>• operating and environmental management rules</li> <li>• performance assessment</li> <li>• resource operations licence holder monitoring and reporting requirements</li> </ul>
11(h) to allow water-related cultural use of parts of the plan area by the traditional owners of the area	<ul style="list-style-type: none"> <li>• operating and environmental management rule</li> <li>• performance assessment</li> <li>• resource operations licence holder monitoring and reporting requirements</li> </ul>
11(i) to provide consistency between this plan and the SEQ regional plan	<ul style="list-style-type: none"> <li>• dealing with unallocated water</li> <li>• operating and environmental management rules</li> <li>• water sharing rules</li> </ul>
Particular ecological outcomes of the <i>Water Resource (Moreton) Plan 2007</i> (Section 12)	Resource operations plan rules
12 Particular ecological outcomes for water in the part of the plan area stated for the outcome are as follows—	
12(c) for estuarine reaches – to minimise changes to brackish water habitats	<ul style="list-style-type: none"> <li>• operating and environmental management rules</li> <li>• performance assessment</li> <li>• resource operations licence holder monitoring and reporting requirements</li> </ul>
13(d) for Moreton Bay – to minimise changes to the natural movement and delivery of sediment, and the delivery of fresh water, natural nutrients and organic matter	<ul style="list-style-type: none"> <li>• operating and environmental management rules</li> <li>• performance assessment</li> <li>• resource operations licence holder monitoring and reporting requirements</li> </ul>

## Attachment 4(a) Water licences to be granted to South East Queensland Water Grid Manager

**Table 1 Water licence to take water from Cabbage Tree Creek (Kholo)**

Licence details:	
Licensee	South East Queensland Water Grid Manager
Expiry Date	5 years from issue
Activity	The taking of water from Cabbage Tree Creek (Kholo) on or adjoining land described as Lot 149 on S311960.
Description of Land	Not attached to land
Annual Volumetric Limit	5800 megalitres per year
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>(1) The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>(2) The licensee must not take water from the ponded area of Cabbage Tree Creek Dam when the water level in Cabbage Tree Creek Dam is at or below E.L. 29.57 m AHD.</p>

**Table 2 Water licence to take water from Caboolture River**

<b>Licence details:</b>	
Licensee	South East Queensland Water Grid Manager
Expiry Date	5 years from issue
Activity	The taking of water from Caboolture River on or adjoining land described as Lot 5 on RP885624.
Description of Land	Not attached to land
Annual Volumetric Limit	3600 megalitres per year
Maximum Instantaneous Extraction Rate	13.8 megalitres per day
Purpose	Town Water Supply.
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken , and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>(1) The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>(2) The licensee must not take water from the ponded area of Caboolture Weir when the water level in Caboolture Weir is at or below E.L. 0.5m AHD.</p>



**Table 3 Water licence to take water from Enoggera Creek**

<b>Licence details:</b>	
Licensee	South East Queensland Water Grid Manager
Expiry Date	5 years from issue
Activity	The taking of water from Enoggera Creek on or adjoining land described as Lot 4 on SP167641.
Description of Land	Not attached to land
Annual Volumetric Limit	1700 megalitres per year
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>(1) The volume of water taken under this water licence must be recorded by the authorisation holder on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The authorisation holder must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>(2) The licensee must not take water from the ponded area of Enoggera Dam when the water level in Enoggera Dam is at or below the minimum operating level.</p>

**Table 4 Water licence to take water from Gold Creek**

<b>Licence details:</b>	
Licensee	South East Queensland Water Grid Manager
Expiry Date	5 years from issue
Activity	The taking of water from Gold Creek on or adjoining land described as Lot 235 on S31395
Description of Land	Not attached to land
Annual Volumetric Limit	520 megalitres per year
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>(1) The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>(2) The licensee must not take water from the ponded area of Gold Creek Dam when the water level in Gold Creek Dam is at or below the minimum operating level.</p>

**Table 5      Water licence to take water from Kilcoy Creek**

Licence details:	
Licensee	South East Queensland Water Grid Manager
Expiry Date	5 years from issue
Activity	The taking of water from Kilcoy Creek on or adjoining land described as Lot 1 on RP86175
Description of Land	Not attached to land
Annual Volumetric Limit	1100 megalitres per year
Maximum Instantaneous Extraction Rate	8 megalitres per day
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>(1) The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>(2) The licensee must not take water from the ponded area of Kilcoy Weir when the water level in Kilcoy Weir is at or below the minimum operating level.</p>

**Table 6 Water licence to take water from Sideling Creek**

Licence details:	
Licensee	South East Queensland Water Grid Manager
Expiry Date	5 years from issue
Activity	The taking of water from Sideling Creek on or adjoining land described as Lot 1 on RP79370.
Description of Land	Not attached to land
Annual Volumetric Limit	7000 megalitres per year
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>(1) The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>(2) The licensee must not take water from the ponded area of Sideling Creek Dam when the water level in Sideling Creek Dam is at or below E.L. 8.69 m AHD.</p>

**Table 7 Water licence to take water from Wararba Creek**

<b>Licence details:</b>	
Licensee	South East Queensland Water Grid Manager
Expiry Date	5 years from issue
Activity	The taking of water from Wararba Creek on or adjoining land described as Lot 3 on RP91512
Description of Land	Not attached to land
Annual Volumetric Limit	600 megalitres per year
Maximum Instantaneous Extraction Rate	5 megalitres per day
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>(1) The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>(2) The licensee must not take water from the ponded area of Wararba Weir when the water level in Wararba Weir is at or below the minimum operating level.</p>

## Attachment 4(b) Water licences granted to the Queensland Bulk Water Supply Authority

**Table 1 Water licence to interfere with the flow of water in Cabbage Tree Creek (Kholo)**

Licence details:	
Licensee	Queensland Bulk Water Supply Authority
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Cabbage Tree Creek (Kholo) by impounding water on or adjoining land described as Lot 149 on S311960.</p> <p>Maximum volume of water stored at full supply level not to exceed 26 000 megalitres.</p> <p>Maximum height of impounded water at full supply level must not exceed R.L 50.9 metres.</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <ol style="list-style-type: none"> <li>(1) The licensee must monitor and record -               <ol style="list-style-type: none"> <li>(a) daily volumes of water released from Cabbage Tree Creek Dam under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) where multi level intakes are installed, the inlet level used;</li> <li>(d) the reason for each release and where multi level intakes are installed, the reason for using the particular inlet level;</li> <li>(e) continuous time series water level data for the ponded area of Cabbage Tree Creek Dam; and</li> <li>(f) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ol> </li> <li>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The licensee</li> </ol>

	<p>must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>
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**Table 2 Water licence to interfere with the flow of water in Caboolture River**

<b>Licence details:</b>	
Licensee	Queensland Bulk Water Supply Authority
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Caboolture River by impounding water on or adjoining land described as Lot 5 on RP885624.</p> <p>Maximum volume of water stored at full supply level not to exceed 1300 megalitres.</p> <p>Maximum height of impounded water at full supply level must not exceed AHD 3.96 metres.</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from Caboolture Weir under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of Caboolture Weir; and</li> <li>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p>



	(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.
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**Table 3 Water licence to interfere with the flow of water in Enoggera Creek**

<b>Licence details:</b>	
Licensee	Queensland Bulk Water Supply Authority
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Enoggera Creek by impounding water on or adjoining land described as Lot 4 on SP167641.</p> <p>Maximum volume of water stored at full supply level not to exceed 4500 megalitres.</p> <p>Maximum height of impounded water at full supply level must not exceed R.L 74.37 metres.</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from Enoggera Dam under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) where multi level intakes are installed, the inlet level used;</li> <li>(d) the reason for each release and where multi level intakes are installed, the reason for using the particular inlet level;</li> <li>(e) continuous time series water level data for the ponded area of Enoggera Dam; and</li> <li>(f) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the</p>

	<p>licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>
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**Table 4 Water licence to interfere with the flow of water in Gold Creek**

<b>Licence details:</b>	
Licensee	Queensland Bulk Water Supply Authority
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Gold Creek by impounding water on or adjoining land described as Lot 235 on S31395.</p> <p>Maximum volume of water stored at full supply level not to exceed 1450 megalitres.</p> <p>Maximum height of impounded water at full supply level must not exceed AHD 95.75 metres.</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from Gold Creek Dam under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) where multi level intakes are installed, the inlet level used;</li> <li>(d) the reason for each release and where multi level intakes are installed, the reason for using the particular inlet level;</li> <li>(e) continuous time series water level data for the ponded area of Gold Creek Dam; and</li> <li>(f) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the</p>

	<p>licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>
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**Table 5 Water licence to interfere with the flow of water in Kilcoy Creek**

<b>Licence details:</b>	
Licensee	Queensland Bulk Water Supply Authority
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Kilcoy Creek by impounding water on or adjoining land described as Lot 1 on RP86175</p> <p>Maximum volume of water stored at full supply level not to exceed 188 megalitres</p> <p>Maximum height of impounded water at full supply level must not exceed R.L. 3.9 metres</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <ol style="list-style-type: none"> <li>(1) The licensee must monitor and record - <ol style="list-style-type: none"> <li>(a) daily volumes of water released from Kilcoy Weir under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of Kilcoy Weir; and</li> <li>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ol> </li> <li>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</li> <li>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</li> <li>(4) The licensee must provide the monitoring</li> </ol>

	data required under this licence to the chief executive upon request and within the time requested.
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**Table 6 Water licence to interfere with the flow of water in Sideling Creek**

<b>Licence details:</b>	
Licensee	Queensland Bulk Water Supply Authority
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Sideling Creek by impounding water on or adjoining land described as Lot 1 on RP79370.</p> <p>Maximum volume of water stored at full supply level not to exceed 24 800 megalitres.</p> <p>Maximum height of impounded water at full supply level must not exceed E.L 20.42 metres.</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from Sideling Creek Dam under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) where multi level intakes are installed, the inlet level used;</li> <li>(d) the reason for each release and where multi level intakes are installed, the reason for using the particular inlet level;</li> <li>(e) continuous time series water level data for the ponded area of Sideling Creek Dam; and</li> <li>(f) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the</p>



	<p>licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>
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## Attachment 4(c) Water licences granted to South Burnett Regional Council

**Table 1 Water licence to take water from Boobir Creek**

Licence details:	
Licensee	South Burnett Regional Council
Expiry Date	5 years from issue
Activity	The taking of water from Boobir Creek on or adjoining land described as Lot 21 on RP884794.
Description of Land	Not attached to land
Annual Volumetric Limit	152 megalitres per year
Maximum Instantaneous Extraction Rate	1.3 megalitres per day
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>The licensee must not take water from the ponded area of Boobir Creek Dam when the water level in Boobir Creek Dam is at or below R.L. 426.0 m AHD.</p>

**Table 2 Water licence to take water from Cooyar Creek**

<b>Licence details:</b>	
Licensee	South Burnett Regional Council
Expiry Date	5 years from issue
Activity	The taking of water from Cooyar Creek on or adjoining land described as Lot 186 on CHS1340
Description of Land	Not attached to land
Annual Volumetric Limit	350 megalitres per year
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>The licensee must not take water from the ponded area of McCauley Weir when the water level in McCauley Weir is at or below R.L. 189.9 m AHD.</p>

**Table 3 Water licence to interfere with the flow of water in Cooyar Creek**

<b>Licence details:</b>	
Licensee	South Burnett Regional Council
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Cooyar Creek by impounding water on or adjoining land described as Lot 186 on CHS1340</p> <p>Maximum volume of water stored at full supply level not to exceed 320 megalitres</p> <p>Maximum height of impounded water at full supply level must not exceed R.L 194 metres.</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <ol style="list-style-type: none"> <li>(1) The licensee must monitor and record -               <ol style="list-style-type: none"> <li>(a) daily volumes of water released from McCauley Weir under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of McCauley Weir; and</li> <li>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ol> </li> <li>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</li> <li>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</li> <li>(4) The licensee must provide the monitoring</li> </ol>

	data required under this licence to the chief executive upon request and within the time requested.
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**Table 4 Water licence to take water from Taromeo Creek**

<b>Licence details:</b>	
Licensee	South Burnett Regional Council
Expiry Date	5 years from issue
Activity	The taking of water from Taromeo Creek on or adjoining land described as Lot 1 on RP32403
Description of Land	Not attached to land
Annual Volumetric Limit	91 megalitres per year
Maximum Instantaneous Extraction Rate	0.55 megalitres per day
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>The licensee must not take water from the ponded area of Taromeo Weir when the water level in Taromeo Weir is at or below the minimum operating level.</p>

**Table 5 Water licence to interfere with the flow of water in Taromeo Creek**

<b>Licence details:</b>	
Licensee	South Burnett Regional Council
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Taromeo Creek by impounding water on or adjoining land described as Lot 1 on RP32403</p> <p>Maximum volume of water stored at full supply level not to exceed 90 megalitres</p> <p>Maximum height of impounded water at full supply level must not exceed AHD 334.8 metres</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from Taromeo Weir under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of Taromeo Weir; and</li> <li>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p>

	(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.
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## Attachment 4(d) Water licences granted to Toowoomba Regional Council

**Table 1 Water licence to take water from Cooyar Creek**

Licence details:	
Licensee	Toowoomba Regional Council
Expiry Date	5 years from issue
Activity	The taking of water from Cooyar Creek on or adjoining land described as Lot 1 on RP122906
Description of Land	Not attached to land
Annual Volumetric Limit	200 megalitres per year
Maximum Instantaneous Extraction Rate	1 megalitres per day
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions:</p> <p>The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>The licensee must not take water from the ponded area of Ted Pukallus Weir when the water level in Ted Pukallus Weir is at or below the minimum operating level.</p>

**Table 2 Water licence to interfere with the flow of water in Cooyar Creek**

<b>Licence details:</b>	
Licensee	Toowoomba Regional Council
Expiry Date	5 years from issue
Activity	<p>Interfere with the flow of water in Cooyar Creek by impounding water on or adjoining land described as Lot 1 on RP122906</p> <p>Maximum volume of water stored at full supply level not to exceed 290 megalitres</p> <p>Maximum height of impounded water at full supply level must not exceed AHD 350.6 metres</p>
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from Ted Pukallus Weir under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of Ted Pukallus Weir; and</li> <li>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p>

	(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.
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**Table 3 Water licence to take water from Cressbrook Creek**

Licence details:	
Licensee	Toowoomba Regional Council
Expiry Date	16 March 2011
Activity	The taking of water from Cressbrook Creek on or adjoining land described as Lot 58 on CSH2241.
Description of Land	Not attached to land
Annual Volumetric Limit	4000 megalitres per year
Purpose	Town Water Supply
Conditions	<p>Schedule A Conditions:</p> <p>The licensee must not take water under the authority of this water licence unless a measuring device to measure the volume of water taken, the rate at which the water is taken, and the time when the water is taken, is installed.</p> <p>Schedule B Conditions</p> <p>(1) The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</p> <p>(2) The licensee must not take water from the ponded area of Cressbrook Dam when the water level in Cressbrook Dam is at or below E.L. 246 m AHD.</p>

## Attachment 4(e) Water licences to be amended

**Table 1 Water licence to interfere with water in Boobir Creek**

Licence details:	
Licence Number	49593G
Licensee	South Burnett Regional Council
Expiry Date	30 August 2010
Activity	Interfere with the flow of water in Boobir Creek by impounding water on or adjoining land described as Lot 21 on RP884794
Description of Land	Attached to the land described as Lot 21 on RP884794
Maximum volume of water stored at full supply level	Not to exceed 175.0 megalitres
Maximum height of impounded water at full supply level	Not to exceed 8.0 metres above the natural bed level at the downstream limit of the impoundment
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from Boobir Creek Dam under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of Boobir Creek Dam; and</li> <li>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply</p>

	<p>with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>
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**Table 2 Water licence to interfere with water in North Pine River**

Licence details:	
Licence Number	51038C
Licensee	Moreton Bay Regional Council
Expiry Date	31 July 2019
Activity	Interfere with the flow of water in North Pine River by impounding water on or adjoining land described as Lot 3 on SP136818
Description of Land	Attached to the land described as Lot 3 on SP136818
Maximum volume of water stored at full supply level	Not to exceed 240 megalitres
Maximum height of impounded water at full supply level	Not to exceed 3.5 metres above the natural bed level at the downstream limit of the impoundment
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from the Weir on North Pine River under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of the Weir on North Pine River water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief</p>

	<p>executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>
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**Table 3 Water licence to interfere with water in North Pine River**

Licence details:	
Licence Number	51040C
Licensee	Moreton Bay Regional Council
Expiry Date	30 July 2019
Activity	Interfere with the flow of water in North Pine River by impounding water on or adjoining land described as Lot 3 on SP136818
Description of Land	Attached to the land described as Lot 3 on SP136818
Maximum volume of water stored at full supply level	Not to exceed 240 megalitres
Maximum height of impounded water at full supply level	Not to exceed 3.5 metres above the natural bed level at the downstream limit of the impoundment
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <p>(a) daily volumes of water released from the Weir on North Pine River under the authority of this licence;</p> <p>(b) the rate of release;</p>

	<p>(c) the reason for each release</p> <p>(d) continuous time series water level data for the ponded area of the Weir on North Pine River; and</p> <p>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</p> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>
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**Table 4 Water licence to interfere with water in Stanley River**

Licence details:	
Licence Number	102509
Licensee	Moreton Bay Regional Council
Expiry Date	31 October 2020
Activity	Interfere with the flow of water in Stanley River by impounding water on or adjoining land described as Lot 413 on CG4859
Description of Land	Attached to the land described as Lot 413 on CG4859
Maximum volume of water stored at full supply level	Not to exceed 65 megalitres
Maximum height of impounded water at full supply level	Not to exceed 3.5 metres above the natural bed level at the downstream limit of the



	impoundment
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <p>(1) The licensee must monitor and record -</p> <ul style="list-style-type: none"> <li>(a) daily volumes of water released from Woodford Weir under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of Woodford Weir; and</li> <li>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ul> <p>(2) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 1. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</p> <p>(3) Where the licensee is unable to comply with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(4) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>

**Table 5 Water licence to interfere with water in Wararba Creek**

Licence details:	
Licence Number	174343
Licensee	Queensland Bulk Water Supply Authority

Expiry Date	20 February 2013
Activity	Interfere with the flow of water in Wararba Creek by impounding water on or adjoining land described as Lot 3 on RP91512 and Lot 1 on SP162165.
Description of Land	Attached to the land described as Lot 3 on RP91512 and Lot 1 on SP162165
Maximum volume of water stored at full supply level	Not to exceed 247 megalitres
Maximum height of impounded water at full supply level	Not to exceed 5.6 metres above the natural bed level at the downstream limit of the impoundment
Purpose	Conserve Water
Conditions	<p>Schedule B Conditions:</p> <ol style="list-style-type: none"> <li>(1) Up to 15 megalitres per day may be released to Caboolture River Weir when water is being released from Moodlu Quarry to the storage authorised under this licence.</li> <li>(2) Water must be returned from Moodlu Quarry at 15 megalitres per day when Wararba Weir falls to 1.80m below full storage level.</li> <li>(3) The licensee must monitor and record - <ol style="list-style-type: none"> <li>(a) daily volumes of water released from Wararba Weir under the authority of this licence;</li> <li>(b) the rate of release;</li> <li>(c) the reason for each release</li> <li>(d) continuous time series water level data for the ponded area of Wararba Weir; and</li> <li>(e) water quality data in accordance with the Queensland Government's Water Monitoring Data Collection Standards.</li> </ol> </li> <li>(4) The licensee must ensure that quarterly reports are provided to the chief executive in accordance with the Queensland Government's Water Monitoring Data Reporting Standards. Such reports must include all data required under condition 3. The authorisation holder must forward the all reports to the chief executive at Brisbane within 3 months after the end of each quarter of the water year.</li> <li>(5) Where the licensee is unable to comply</li> </ol>

	<p>with any conditions of this licence, the licensee must provide a report to the chief executive within five business days of the incident of non-compliance. The report must include details and circumstances of the non-compliance.</p> <p>(6) The licensee must provide the monitoring data required under this licence to the chief executive upon request and within the time requested.</p>
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**Table 6 Water licence to take water from Wararba Creek**

Licence details:	
Licence Number	174231
Licensee	Moreton Bay Regional Council
Expiry Date	30 May 2010
Activity	The taking of water from Wararba Creek on or adjoining land described as Lot 7 on RP94509 and Lot 1 on SP163739 and Lot 2 on SP163739
Description of Land	Attached to the land described as Lot 3 on RP95888 and Lot 1 on RP86597 and Lot 3 on RP13973 and Lot 4 on RP13973 and Lot 245 on CG1940
Maximum Instantaneous Extraction Rate	120.0 litres per second
Purpose	Waterharvesting
Conditions	<p>Schedule B Conditions:</p> <ol style="list-style-type: none"> <li>(1) The taking of water for waterharvesting purposes to supply Moodlu Quarry shall have a maximum pumping rate of 120 litres per sec.</li> <li>(2) The taking of water under this licence must only occur when the flow of water in Wararba Creek is flowing over Wararba Weir.</li> <li>(3) The volume of water taken under this water licence must be recorded by the licensee on a daily basis. These records must include the meter or measuring device reading and the time and date that the reading was taken. The licensee must forward the records to the chief executive at Brisbane within 10 business days after the end of each quarter of the water year.</li> <li>(4) The licensee must not take water from the ponded area of Wararba Weir when the water level in Wararba Weir is at or below the minimum operating level.</li> </ol>

## Attachment 5 Central Brisbane River and Stanley River water supply schemes

**Table 1 Wivenhoe Dam, Brisbane River—AMTD 150.2 km**

Description of water infrastructure	
Description	Zoned earth fill and rock fill saddle dam.
Full supply level	E.L. 67.0 m AHD
Minimum operating level	E.L. 35.0 m AHD
Storage capacity	
Full supply volume	1 165 200 ML
Minimum operating volume	4886 ML
Storage curves	Drawing number: A3-110404.
Spillway arrangement	
Description of works	Primary spillway is 72 m wide and consists of 5 radial gates (12 m wide by 16 m high) with a flip bucket dissipater. Secondary spillway consists of a 164 m wide spillway chute with 3 m ogee crest and three fuse plug embankments.
Spillway level	Primary spillway fixed at E.L. 57.0 m AHD. Secondary spillway fixed at E.L. 67.0 m AHD.
Spillway width	Primary spillway – 72 m wide, secondary spillway – 164 m wide.
Spillway length	Nil.
Discharge characteristics	Refer to flood manual.
River inlet/outlet works	
Description of works	1.8 m and 3.6 m diameter penstocks located through the left hand wall of the concrete gravity spillway structure terminating with a 4.5 kW mini hydro station and a 1.5 m diameter FDC bypass regulator valve. 1.5 m FDC valve max discharge 36 m <sup>3</sup> /s at E.L 67 m AHD. Hydro has a max discharge of 18 m <sup>3</sup> /s at E.L 67 m AHD.
Inlet	Inlet well has six baulks to facilitate selective withdrawal.
Cease to flow levels	River outlet: E.L 31.0 m AHD.

**Table 2 Mount Crosby Weir, Brisbane River—AMTD 90.8 km**

Description of water infrastructure	
Description	Concrete weir
Full supply level	6.9 m AHD
Minimum operating level	6.2 m AHD
Storage capacity	
Full supply volume	2200 ML
Minimum operating volume	1800 ML
Storage curves	Nil.
Spillway arrangement	
Description of works	Ogee spillway
Spillway level	E.L. 6.9 m
Spillway width	E.L. 91.08 m
Spillway length	Nil.
Discharge characteristics	0.7 m wide x 0.305 m high fishway slot.
River inlet/outlet works	
Description of works	Fishway slot: 0.7 m wide x 0.305 m high.
Inlet	Nil.
Cease to flow levels	E.L. 6.7 m AHD

**Table 3 Somerset Dam, Stanley River—AMTD 7.4 km**

Description of water infrastructure	
Description	Concrete gravity dam
Full supply level	E.L. 99.0 m AHD
Minimum operating level	E.L. 71.5 m AHD
Storage capacity	
Full supply volume	379 850 ML
Minimum operating volume	4000 ML
Storage curves	Drawing number: A3-110929.
Spillway arrangement	
Description of works	8 radial gates with a fixed crest level of 100.45 m AHD. 8 sluice gates with invert at E.L 71.2 m AHD.
Spillway level	E.L 100.45 m AHD.
Spillway width	Radial gate height of 7.0 m and a width of 7.0 m (clear width 63.4 m). Sluice gates 3.66 m high x 2.44 m wide (clear width of 19.52 m).
Spillway length	Nil.
Discharge characteristics	Discharge per sluice gate 69 m <sup>3</sup> /s at FSL, 231 m <sup>3</sup> /s at MFL 107.46. Discharge per gate is 310 m <sup>3</sup> /s at MFL of E.L 107.46 m AHD.
River inlet/outlet works	
Description of works	8 x 2.44 m x 3.66 m sluice gates. 4 x 2.3 m diameter regulator valves. 1 4 MW hydro-power station – releases only to made for hydropower generation when dam is above 90.0 m AHD (rate of release has capacity of 370 ML/day).
Inlet	Nil.
Cease to flow levels	River outlet: E.L. 71 m AHD.

**Table 4      Announced allocation parameters for the Central Brisbane River Water Supply Scheme**

Term	Details
$AA_{HPA}$ High priority announced allocation	The percentage of the nominal volumes for 'High Priority A' water allocations that may be taken for the current water year.
$HPAA$ 'High Priority A' water allocations (ML)	The total nominal volume of 'High Priority A' water allocations in the Central Brisbane River Water Supply Scheme.
$UV$ Useable Volume (ML)	<p>The useable volume is determined by summing the useable volume of Wivenhoe Dam and Somerset Dam.</p> <p><math>UV = \text{sum}(UV_{\text{storage}})</math></p> <p><math>UV_{\text{storage}} = (CV - MOV)</math></p> <p><math>UV_{\text{storage}} = 0</math> if <math>(CV - MOV)</math> is less than 0</p> <p>Where:</p> <p><math>UV</math> is the useable volume of each storage.</p> <p><math>CV</math> is the current volume of the storage.</p> <p><math>MOV</math> is the minimum operating volume of the storage.</p>
$DIV_{HPA}$ High priority diversion (ML)	The volume of high priority water taken by high priority water allocation holders in the current water year up to the time of the assessment of the announced allocation.
$AA_{MP}$ Medium priority announced allocations	The percentage of the nominal volumes for medium priority water allocations that may be taken for the current water year.
$MPA$ Medium priority water allocations	The total nominal volume of medium priority water allocations in the Central Brisbane River Water Supply Scheme.
$DIV_{MP}$ Medium priority diversions (ML)	The volume of medium priority water taken by medium priority water allocation holders in the current water year up to the time of the assessment of the announced allocation.



**Table 5 Medium priority announced allocations for Central Brisbane River Water Supply Scheme**

<b>Combined Percentage of Useable Volume in Storage of Wivenhoe and Somerset dams (CPUVS) (%)</b>	<b>Announced allocation for medium priority water allocations (AA<sub>MP</sub>) (% of nominal volume)</b>
0 to 14.9	0
15 to 24.9	15
25 to 29.9	25
30 to 34.9	40
35 to 39.9	55
40 to 44.9	70
45 to 49.9	85
50 to 100	100

**Table 6 Combined percentage of useable volume in storage parameters for Central Brisbane River and Stanley River water supply schemes**

Term	Details
CPUVS	Combined percentage of useable volume in storage of Wivenhoe and Somerset dams.
UV Useable Volume (ML)	<p>The useable volume is determined by summing the useable volume of Wivenhoe Dam and Somerset Dam.</p> $UV = \text{sum}(UV_{\text{storage}})$ $UV_{\text{storage}} = (CV - MOV - SL)$ $UV_{\text{storage}} = 0 \text{ if } (CV - MOV - SL) \text{ is less than } 0$ <p>Where:</p> <p>UV is the useable volume of each storage.</p> <p>CV is the current volume of the storage.</p> <p>MOV is the minimum operating volume of the storage.</p> <p>SL is the projected storage loss.</p>
SL Storage Loss (ML)	<p>The net projected storage loss from the storages for the remainder of the water year and includes lake evaporation and seepage.</p> <p>The storage losses used for resource assessment purposes are shown in table 7.</p>
CUFSV Combined Useable Full Supply Volume (ML)	<p>The combined useable full supply volume is determined by summing the useable full supply volumes of Wivenhoe Dam and Somerset Dam. The useable full supply volume of each storage is determined by subtracting the minimum operating volume from the full supply volume of the storage</p> $CUFSV = \text{sum}(UFSV_{\text{storage}})$ $UFSV_{\text{storage}} = (FSV - MOV)$ <p>Where:</p> <p>UFSV = useable full supply volume of the storage.</p> <p>FSV = full supply volume of the storage.</p> <p>MOV = minimum operating volume of each storage.</p>

**Table 7      Storage loss depths (mm)—Central Brisbane River and Stanley River water supply schemes**

Month in which announced allocation was calculated	Somerset Dam	Wivenhoe Dam
July	1747	1679
August	1653	1595
September	1539	1489
October	1399	1351
November	1229	1187
December	1042	1008
January	839	808
February	642	617
March	475	448
April	317	291
May	189	168
June	87	78

**Table 8 Permitted distributions**

Zone	High priority group water allocations		Medium priority group water allocations	
	Current total nominal volume (ML)	Maximum total nominal volume (ML)	Current total nominal volume (ML)	Maximum total nominal volume (ML)
Brisbane Zone	279 000	279 000		
Mid-Brisbane Zone			7041	7041

**Table 9 Maximum allowable water use volumes**

Zone	Maximum allowable water use volume (ML)
Brisbane	279 000
Mid-Brisbane Zone	286 041

## Attachment 6 Pine Valleys Water Supply Scheme

**Table 1 North Pine Dam, North Pine River—AMTD 20.0 km**

Description of water infrastructure	
Description	Concrete gravity dam with earthfill embankments linking to the abutments with the deck and crest level at E.L 43.29 m AHD.
Full supply level	E.L 39.6 m AHD
Minimum operating level	E.L. 14.2 m AHD
Storage capacity	
Full supply volume	215 000 ML
Minimum operating volume	2100 ML
Storage curves	Drawing Number: A3-105955.
Spillway arrangement	
Description of works	Concrete gravity ogee crest with 5 radial gates with a width of 12.19 m x 8.62 m high.
Spillway level	E.L 32.01 m AHD (fixed crest level)
Spillway width	60.95 m clear width
Spillway length	Nil.
Discharge characteristics	Refer to flood manual.
River inlet/outlet works	
Description of works	Multi level dry well intake structure with variable depth inlets.
Inlet	10 intakes (1.2 m diameter pipes).
Cease to flow levels	River Outlet: E.L. 12.96 m AHD.

**Table 2      Announced allocation parameters**

Term	Details
AA <sub>HPA</sub> High priority announced allocation	The percentage of the nominal volumes for 'High Priority A' water allocations that may be taken for the current water year.
HPAA 'High Priority A' water allocations (ML)	The total nominal volume of 'High Priority A' water allocations in the Pine Valleys Water Supply Scheme.
UV Useable Volume (ML)	<p>The useable volume is determined by calculating the useable volume of the North Pine Dam.</p> <p>UV = sum (UV<sub>storage</sub>)</p> <p>UV<sub>storage</sub> = (CV – MOV)</p> <p>UV<sub>storage</sub> = 0 if (CV – MOV) is less than 0</p> <p>Where:</p> <p>UV is the useable volume of the storage.</p> <p>CV is the current volume of the storage.</p> <p>MOV is the minimum operating volume of the storage.</p>
DIV <sub>HPA</sub> High priority diversion (ML)	The volume of 'High Priority A' water taken by 'High Priority A' water allocation holders in the current water year up to the time of the assessment of the announced allocation.

**Table 3      Maximum allowable water use volumes**

Zone	Maximum allowable water use volume (ML)
North Pine Zone	59 000

## Attachment 7 Cressbrook Creek Water Supply Scheme

**Table 1 Cressbrook Dam, Cressbrook Creek**

Description of water infrastructure	
Description	Zoned earthfill
Full supply level	E.L. 280 m AHD
Minimum operating level	E.L. 246 m AHD
Storage capacity	
Full supply volume	81 842 ML
Minimum operating volume	1136 ML
Storage curves	100950-01
Spillway arrangement	
Description of works	Ogee spillway
Spillway level	44.6 m
Spillway width	20.3 m
Spillway length	85 m
Discharge characteristics	Ungated overflow leading to flip bucket and plunge pool.
River inlet/outlet works	
Description of works	500 mm diameter outlet.
Inlet	Cressbrook Creek and Little Oakey Creek.
Cease to flow levels	E.L. 247.4 m AHD

**Table 2 Perseverance Dam, Perseverance Creek**

Description of water infrastructure	
Description	Zoned earth and rockfill embankment.
Full supply level	R.L. 446.08 m AHD
Minimum operating level	R.L. 423.0 m AHD
Storage capacity	
Full supply volume	30 140 ML
Minimum operating volume	3472 ML
Storage curves	100951-01
Spillway arrangement	
Description of works	Ogee spillway 53.6 m high tapering to 36 m.
Spillway level	53.6 m tapering to 36 m
Spillway width	54.9 m
Spillway length	52 m
Discharge characteristics	Ungated overflow leading to flip bucket and plunge pool.
River inlet/outlet works	
Description of works	600 mm diameter outlet.
Inlet	Perseverance Creek
Cease to flow levels	R.L. 400.8 m AHD



**Table 3 Annual release volume**

Combined percentage of volume of water in storage for Cressbrook and Perseverance dams (%) (Percentage Range)	Combined volume of water in storage in Cressbrook and Perseverance dams (ML)	Annual release volume (ML/a)
0 to 34.9	0 – 39 193	0
35 to 49.9	39 194 – 55 990	2500
50 to 79.9	55 991 – 89 585	3000
80 to 100	>89 586	3500

**Table 4 Combined percentage of volume in storage parameters for Cressbrook Creek water supply scheme**

Term	Details
CPVS	Combined percentage of volume in storage in Cressbrook and Perseverance dams.
CV	CV is the current volume of the storage.
CFSV Combined Full Supply Volume (ML)	<p>The combined full supply volume is determined by summing the full supply volumes of Cressbrook Dam and Perseverance Dam.</p> $\text{CFSV} = \text{FSVCressbrook} + \text{FSVPerseverance}$ <p>Where:</p> <p>CFSV = combined full supply volume of the storage.</p> <p>FSV = full supply volume of the storage.</p>

**Table 5      Announced allocation parameters**

Term	Details
AA <sub>HPA</sub> High priority announced allocation	The percentage of the nominal volumes for 'High Priority A' water allocations that may be taken for the current water year.
HPAA 'High Priority A' water allocations (ML)	The total nominal volume of 'High Priority A' water allocations in the Cressbrook Creek Water Supply Scheme.
UV Useable Volume (ML)	<p>The useable volume is determined by summing the useable volume of Cressbrook Dam and Perseverance Dam.</p> <p><math>UV = \text{sum}(UV_{\text{storage}})</math></p> <p><math>UV_{\text{storage}} = (CV - MOV)</math></p> <p><math>UV_{\text{storage}} = 0</math> if <math>(CV - MOV)</math> is less than 0</p> <p>Where:</p> <p>UV is the useable volume of each storage.</p> <p>CV is the current volume of the storage.</p> <p>MOV is the minimum operating volume of the storage.</p>
DIV <sub>HPA</sub> High priority diversion (ML)	The volume of high priority water taken by high priority water allocation holders in the current water year up to the time of the assessment of the announced allocation.

**Table 6      Maximum allowable water use volumes for the Cressbrook Creek Water Supply Scheme**

Zone	Maximum allowable use (ML)
Cressbrook	10 000

## Attachment 8 Water Allocation Schedule

Table 1 Central Brisbane River Water Supply Scheme \*

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
1	IPSWICH CITY COUNCIL		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	65	Medium	56226C
2	CHRISTIANSEN CHRISTIANSEN	JOHN BRADLEY LYNDA JOY	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	7	Medium	0111705C
3	VU VU VU	LONG DINH KIM GIAO DZUNG KIEU	Tenant in Common Tenant in Common Tenant in Common	1/3 1/3 1/3		Mid-Brisbane Zone	Any	Nil	8	Medium	56123C
4	REDBURN	LESLIE JAMES	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	4	Medium	56240C
5	YOUNG	MARLENE JUNE	Tenant in Common	1/3		Mid-Brisbane	Any	Nil	15	Medium	56239C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location Zone	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	NOBLE	LEONARD ASHLEY	Tenant in Common	1/3							
	NOBLE	EVELYN NORMA	Tenant in Common	1/3							
6	BOEL INVESTMENTS PTY LTD ACN 010251895		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	2	Medium	56241C
7	SKERMAN	ROBERT GRAHAM MITCHELL	Tenant in Common	1/2		Mid-Brisbane Zone	Any	Nil	20	Medium	56238C
	SKERMAN	HELEN MARY	Tenant in Common	1/2							
8	BAILEY	JOCELYN MARGARET WILSON	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	10	Medium	173792
9	BELL	GRAHAM NORMAN	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	30	Medium	173079
10	HARDING	MARK PHILLIP	Tenant in Common	1/2		Mid-Brisbane Zone	Any	Nil	3	Medium	56309C
	SCHOSSOW	ANGELA KAREN	Tenant in	1/2							

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
11	MANDERS	ANTHONY JOHN	Common	1/2		Mid-Brisbane Zone	Any	Nil	4	Medium	56400C
	BROWNE	LYNDA SHERI	Tenant in Common	1/2							
12	VINTER	JOHN ARTHUR FRANK	Tenant in Common	1/2		Mid-Brisbane Zone	Any	Nil	7	Medium	56337C
	VINTER	SUZANNE J	Tenant in Common	1/2							
13	WILSON	MARK WILLIAM	Tenant in Common	1/4		Mid-Brisbane Zone	Any	Nil	4	Medium	189645
	BROWN	VANESSA ALISON	Tenant in Common	1/4							
	CUMMING	MARK	Tenant in Common	1/4							
	CUMMING	SUSAN	Tenant in Common	1/4							
14	ROUND	DAVID IAN	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	5	Medium	56293C

													Converting Authorisation
	52931C												
													Priority
	Medium												
													Nominal Volume (Megalitres)
	48												
													Other Conditions
	Nil												
													Purpose
	Any												
													Location
	Mid-Brisbane Zone												
													Tenancy Comments
													Share of Water Allocation
	1												
													Tenancy Type
	Sole Proprietor												
													Given Names
	ALEXANDER CONSTANTINE												
													Family Name/ Company
	KLESTOV												
													Water Allocation Number
15													
16													
17													
	MC DOUGALL												
	MC DOUGALL												
18													
	MCINNES												
19													
	KELLY												
	KELLY												
20													
	MAHON												
21													
	SMITH												

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	SMITH	DELMA LESLIE	Tenant in Common	1/2		Zone					
22	CRAIGIE CRAIGIE	JOHN MAXWELL GAIL ALEXIS	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	15	Medium	56479C
23	SUMMERVILLE BERNITT	CRISPINA DOROTHY BETTY MAY	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	80	Medium	56235C
24	HILL HILL	CRAIG NEVILLE CRAIG NEVILLE	Tenant in Common Trustee	1/2 1/2		Mid-Brisbane Zone	Any	Nil	80	Medium	56243C
25	HILL	NOLEENE FAY	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	64	Medium	0111005C
26	ANDREW	ALAN ROBERT	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	96	Medium	39565AC
27	HAY	BARRY LEWIS	Tenant in Common	1/2		Mid-Brisbane	Any	Nil	32	Medium	35508C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location Zone	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	HAY	PAMELA JEAN	Tenant in Common	1/2							
28	ANDREW ANDREW	GEORGE WILLIAM VICTOR JOHN	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	144	Medium	39566AC
29	SMITH	KEVIN JOHN	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	120	Medium	15354C
30	JOHNSON	LESLIE JAMES	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	20	Medium	18396C
31	WESTAWAY	BRUCE WILLIAM	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	75	Medium	0111613C
32	TOFT	JILL CHETTOE	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	160	Medium	102363
33	BROWN	GRAEME KENNETH	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	104	Medium	39568C
34	CROCKETT	SUSAN JOAN	Sole	1		Mid-	Any	Nil	100	Medium	56237C



Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
			Proprietor			Brisbane Zone					
35	TOFT TOFT	JILL CHETTOE RICHARD JOHN	Tenant in Common Tenant in Common	2/3 1/3		Mid-Brisbane Zone	Any	Nil	336	Medium	101515
36	BOND BOND	SIMON RONALD KELLY ANN	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	40	Medium	53002AC
37	R & D LADBROOK PTY LTD ACN 109621785		Trustee	1	Under Instrument 708921601	Mid-Brisbane Zone	Any	Nil	40	Medium	183848
38	LADBROOK	RUSSELL GREGORY	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	80	Medium	183850
39	RUSSELL	DOUGLAS HARRIS	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	16	Medium	19062C
40	HARRIS	JOHN HEATHWOOD	Sole Proprietor	1		Mid-Brisbane	Any	Nil	32	Medium	19110C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location Zone	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
41	HARRIS	JOHN HEATHWOOD	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	48	Medium	56268C
42	STALLMANN STALLMANN STALLMANN	DIANA PICKWORTH ANDREW ASHLEY MATTHEW JAMES	Tenant in Common Tenant in Common Tenant in Common	1/3 1/3 1/3		Mid-Brisbane Zone	Any	Nil	64	Medium	56234C
43	TOFT TOFT	DAVID ROBERT LEANDRA ISABEL	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	40	Medium	409149
44	STUMER STUMER	JAMES EDWARD DESMOND HENRY	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	80	Medium	39562AC
45	JENSEN	MURRAY WILLIAM	Tenant in Common	1/2		Mid-Brisbane	Any	Nil	80	Medium	03770AC

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location Zone	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	JENSEN	BRADLEY ANDREW	Tenant in Common	1/2							
46	RIVERMEAD PTY LTD ACN 010114235		Tenant in Common	1/2		Mid-Brisbane Zone	Any	Nil	174	Medium	0111353C
	SCHMIDT	NOEL VINCENT	Tenant in Common	1/2							
47	RIVERMEAD PTY LTD ACN 010114235		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	70	Medium	170946
48	SHINE	KERRY GERARD	Tenant in Common	1/5							
	THOMSON	ELIN MARY	Tenant in Common	2/5		Mid-Brisbane Zone	Any	Nil	275	Medium	101080
	SILVA	MARGARET MARY	Tenant in Common	2/5							
49	RGEE (QLD) PTY LTD ACN 066743780		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	500	Medium	56426C
50	MACDONALD	KENNETH OLIVER	Tenant in Common	1/2		Mid-Brisbane Zone	Any	Nil	64	Medium	04057C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location Zone	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	MACDONALD	MARGARET JOAN	Tenant in Common	1/2							
51	FAIR MOUNTAIN PTY LTD ACN 084614399		Sole Proprietor	1		Mid- Brisbane Zone	Any	Nil	10	Medium	39558C
52	WILKINSON  AITCHESON	THOMAS  ELIZABETH ANN	Tenant in Common  Tenant in Common	1/2  1/2		Mid- Brisbane Zone	Any	Nil	60	Medium	52923C
53	STRONG  STRONG	DAVID WILLIAM  LAURA VIOLET	Tenant in Common  Tenant in Common	1/2  1/2		Mid- Brisbane Zone	Any	Nil	160	Medium	12372C
54	VOGLER	DARYL LEE	Sole Proprietor	1		Mid- Brisbane Zone	Any	Nil	50	Medium	A02902C
55	ASSET1 (FERNVALE) PTY LTD ACN 106830184		Sole Proprietor	1		Mid- Brisbane Zone	Any	Nil	100	Medium	0111372C
56	BROUFF	SAMUEL	Sole	1		Mid-	Any	Nil	100	Medium	400508

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
			Proprietor			Brisbane Zone					
57	REID REID	FRANCIS JAMES ELSPETH ADA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	50	Medium	39559C
58	BURGESS	NOEL SAMUEL	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	8	Medium	105080
59	TOWNS TOWNS	MAXWELL ARTHUR CORALIE JEAN	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	16	Medium	56319C
60	GORDON GORDON	ROBERT ALAN PAULINE ELLEN	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	3	Medium	54579C
61	LARSEN LARSEN	KEVIN EARLE CORAL VERA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	12	Medium	56250C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
62	WOODMAN WOODMAN	ANDREW JAMES THELMA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	8	Medium	56249C
63	MORGAN MORGAN	MARGARET NESTA EVELYN PHILLIP GEOFFREY	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	14	Medium	53197C
64	KEABLE KEABLE	ROBERT MAXWELL BEVERLEY MARGARET	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	8	Medium	56566C
65	CASSAR-DALEY CASSAR-DALEY	TROY ANTHONY LAUREL ELLEN	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	14	Medium	46590C
66	ESSEX	ROYCE WILLIAM	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	48	Medium	46510C
67	SMITH	ANTHONY PETER	Trustee	1	Under Instrument	Mid-Brisbane	Any	Nil	61	Medium	56276C

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Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
			Proprietor			Zone					
73	VOGLER	RAYMOND FRANCIS	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	20	Medium	54607C
74	CUNNINGHAM	TODD GARDINER	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	24	Medium	53154C
75	KEYES KEYES	GREGORY JOHN MARIA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	24	Medium	19391C
76	WENDT WENDT	JASON ROBERT LAURISA ANNE	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	10	Medium	180664
77	SIPPEL SIPPEL SIPPEL	LINDA ELAINE LINDA ELAINE MAURICE HENRY	Tenant in Common Trustee Trustee	1/2 1/2		Mid-Brisbane Zone	Any	Nil	6	Medium	176815

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	GOEBEL	KENNETH LANCE	Trustee								
78	DE RUITER DE RUITER	ANTHONY JOHN KERRY LOUISE	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	40	Medium	180697
79	ALLEN ALLEN	BRUCE DENNIS COLLEEN MAY	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	12	Medium	06518C
80	LUYKE LUYKE	MARCELUS MARTINUS JOHANNES PATRICIA LOUISA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	6	Medium	176817
81	CUNNINGTON CUNNINGTON	KEITH ROBERT LUCY PATRICIA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	6	Medium	53070AC
82	JAMES	RONALD HENRY	Sole Proprietor	1		Mid-Brisbane	Any	Nil	40	Medium	175164

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location Zone	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
83	KIRBY KIRBY	MERVYN STEVEN BEVERLEY ANN	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	4	Medium	42316C
84	BRYER	VANESSA KIM	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	8	Medium	0111103C
85	LEE LEE	WILLIAM JOHN BERYL ALICE	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	8	Medium	46452C
86	JAMES	RONALD HENRY	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	48	Medium	15418AC
87	JACKSON JACKSON	NOEL CHARLES LYNDEN RUTH	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	10	Medium	56242C
88	SCULLY	ROBERT JOHN	Tenant in Common	1/2		Mid-Brisbane	Any	Nil	10	Medium	56254C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location Zone	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	SCULLY	DEBORAH ANNE	Tenant in Common	1/2							
89	NAYLER	ELMA FAYE	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	8	Medium	32301C
90	CHALMERS CHALMERS	ANDREW CHARLES DESLEY KAY	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	8	Medium	56334C
91	BATTERSBY BATTERSBY	JOHN BRYAN DIANE PATRICIA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	4	Medium	39688C
92	DA SILVA	ANTONIO	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	16	Medium	101079
93	GOOCH GOOCH	MICHAEL JAMES ANGELA ELISABETH	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	4	Medium	34153C
94	COMPWOOD		Sole	1		Mid-	Any	Nil	16	Medium	51116C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	PTY LTD ACN 080075832		Proprietor			Brisbane Zone					
95	HEMLEY HEMLEY	TREVOR LESLIE JAN MAREE	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	20	Medium	39567C
96	MCCARTHY MCCARTHY	DANIEL THOMAS CAROLYN JOY	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	16	Medium	51168C
97	MCDERMOTT MCDERMOTT	CLINTON TROY ANITA LOUISE	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	5	Medium	0111460C
98	SCHEIWE	ANDREW GLEN	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	4	Medium	0111592C
99	GEIGER GEIGER	WILFRED JAMES ANNE MILLICENT	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	10	Medium	56266C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
100	CROSS HAYES	JUSTIN ANDREW CHARMAINE TERESA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	4	Medium	180563
102	SOMERSET REGIONAL COUNCIL		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	15	Medium	0111379C
103	LOWOOD AND DISTRICT GOLF CLUB INCORPORATED		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	40	Medium	409507
104	FAIR MOUNTAIN PTY LTD ACN 084614399		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	80	Medium	189631
105	POCOCK POCOCK	JOHN NORMAN CAROLE ANNE	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	9	Medium	105167
106	SINCLAIR	STEVEN MARK	Tenant in	1/2		Mid-	Any	Nil	18	Medium	176800

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	SINCLAIR	HEATHER JOY	Common Tenant in Common	1/2		Brisbane Zone					
107	VG EQUINE ENTERPRISES PTY LTD ACN 109918943		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	1	Medium	0110929C
108	PENG  PENG  LIN  LIN	DAVID CHI-CHENG  CYNTHIA SHUN-CHU TU  PING  CHUN-FENG CHUNG	Tenant in Common Tenant in Common Tenant in Common Tenant in Common	1/4 1/4 1/4 1/4		Mid-Brisbane Zone	Any	Nil	60	Medium	409398
109	FARNSEA PTY LTD ACN 010454289		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	20	Medium	105021
110	FARNSEA PTY LTD ACN 010454289		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	10	Medium	104755

<b>Water Allocation Number</b>	111	SHEPPARD SHEPPARD	JOHN ROWLAND JILL	<b>Tenancy Type</b> Tenant in Common Tenant in Common	<b>Share of Water Allocation</b> 1/2 1/2		<b>Tenancy Comments</b>	<b>Location</b> Mid-Brisbane Zone	<b>Purpose</b> Any	<b>Other Conditions</b> Nil	<b>Nominal Volume (Megalitres)</b> 20	<b>Priority</b> Medium	<b>Converting Authorisation</b> 14886C
112	KELLER KELLER	WAYNE ALLAN LYNDEL MAY	Tenant in Common Tenant in Common	1/2 1/2				Mid-Brisbane Zone	Any	Nil	50	Medium	177434
113	KELLER KELLER	NOEL JAMES KELLIE NADINE	Tenant in Common Tenant in Common	1/2 1/2				Mid-Brisbane Zone	Any	Nil	50	Medium	177435
114	GRASSCO PTY LTD		Trustee	1		Under Instrument L450272P		Mid-Brisbane Zone	Any	Nil	194	Medium	51205C
115	NUNN	GREGORY JAMES	Sole Proprietor	1				Mid-Brisbane Zone	Any	Nil	48	Medium	17144C
116	DE LANGE DE LANGE	JAN HENDRIK GERTRUIDA	Tenant in Common Tenant in Common	1/4 1/4				Mid-Brisbane Zone	Any	Nil	96	Medium	51206C



Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
		JACOBA ELIZABETH	Common								
	DE LANGE	JAN HENDRIK	Tenant in Common	1/4							
	DE LANGE	MARIA MAGDALENA	Tenant in Common	1/4							
117	HOOD	DANIEL BRYANT	Trustee	1	Under Instrument 711150218	Mid-Brisbane Zone	Any	Nil	158	Medium	51103C
118	COLLIER	DENIS FRANCIS	Tenant in Common	1/2		Mid-Brisbane Zone	Any	Nil	150	Medium	0110932C
	COLLIER	JOY LARRAINE	Tenant in Common	1/2							
119	COLLIER	DENIS FRANCIS	Tenant in Common	1/2		Mid-Brisbane Zone	Any	Nil	50	Medium	0111307C
	COLLIER	JOY LARRAINE	Tenant in Common	1/2							
120	KELLER	PATRICK JAMES	Tenant in Common	1/3		Mid-Brisbane Zone	Any	Nil	160	Medium	49739C
	KELLER	JANICE MARGARET	Tenant in Common	1/3							

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	KELLER	NOEL JAMES	Tenant in Common	1/3							
121	KELLER KELLER KELLER	PATRICK JAMES JANICE MARGARET WAYNE ALLEN	Tenant in Common Tenant in Common Tenant in Common	1/3 1/3 1/3		Mid-Brisbane Zone	Any	Nil	20	Medium	16000C
122	ENGLISH ENGLISH	JOHN WAYNE JANICE MARGARET	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	8	Medium	47422C
123	RYDER	MAXWELL ROSS	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	12	Medium	34639C
124	KELLER KELLER	JOHN BERNARD BETTY LYNETTE	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	70	Medium	34920C
125	KELLER	JOHN BERNARD	Tenant in Common	1/2		Mid-Brisbane	Any	Nil	70	Medium	39600C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location Zone	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
	KELLER	BETTY LYNETTE	Tenant in Common	1/2							
126	BEARD BROWN	GREGORY CHARLES KAREN LEIGH	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	12	Medium	40635C
127	RUSSELL RUSSELL	KENNETH ANTHONY MARIA HENDRIKA JOHANNA	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	2	Medium	56536C
128	ENGLAND	TREVOR JOHN	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	2	Medium	56537C
129	HEFFERNAN	CHERYL FRANCES	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	2	Medium	56538C
130	BRYANT BRYANT	MARK LLOYD BELINDA KELLY	Tenant in Common Tenant in Common	1/2 1/2		Mid-Brisbane Zone	Any	Nil	2	Medium	56484C

Water Allocation Number	Family Name/ Company	Given Names	Tenancy Type	Share of Water Allocation	Tenancy Comments	Location	Purpose	Other Conditions	Nominal Volume (Megalitres)	Priority	Converting Authorisation
131	TOMKINS	RONALD ERNEST	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	1	Medium	100016
132	LIEBHARDT	ARMIN FERDINAND	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	10	Medium	56489C
133	WALTHER	MARGERY	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	80	Medium	14734C
134	BEUTEL	SIDNEY NEVILLE	Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	100	Medium	39330AC
137	QUEENSLAND BULK WATER SUPPLY AUTHORITY		Sole Proprietor	1		Brisbane Zone	Any	Nil	25	High Class A	This authorisation was authorised to continue under section 360ZDP of the <i>Water Act 2000</i> .
138	SEQ WATER GRID MANAGER		Sole Proprietor	1		Mid-Brisbane Zone	Any	Nil	278725	High Class A	This authorisation was authorised to continue under section 360ZDP of the <i>Water Act 2000</i> .

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**Table 2 Pine Valleys Water Supply Scheme \***

<b>Water Allocation Number</b>	135	<b>Family Name/ Company</b>	SEQ WATER GRID MANAGER	<b>Given Names</b>		<b>Tenancy Type</b>	Sole Proprietor	<b>Share of Water Allocation</b>	1	<b>Tenancy Comments</b>		<b>Location</b>	North Pine Zone	<b>Purpose</b>	Any	<b>Other Conditions</b>	Nil	<b>Nominal Volume (Megalitres)</b>	59000	<b>Priority</b>	High Class A	<b>Converting Authorisation</b>	This authorisation was authorised to continue under section 360ZDP of the <i>Water Act 2000</i> .
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\* Details correct as at 6 October 2008

Table 3 Cressbrook Creek Water Supply Scheme\*

Water Allocation Number	136	Family Name/ Company	TOOWOOMBA REGIONAL COUNCIL	Given Names		Tenancy Type	Sole Proprietor	Share of Water Allocation	1	Tenancy Comments		Location	Cressbrook Zone	Purpose	Any	Other Conditions	Nil	Nominal Volume (Megalitres)	10000	Priority	High Class A	Converting Authorisation	Order In Council dated 22 January 1981, as per the volume specified in Section 38, Subsection (c)(ii) of the <i>Water Resource (Moreton) Plan 2007</i> .
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\* Details correct as at 6 October 2008

## Attachment 9 Resource operations licence holder monitoring

**Table 1** Locations where continuous time series height and flow data and storage water level data are required

Location	Continuous time series storage water level data	Continuous time series flow data
Cressbrook Creek Dam inflow		✓
Cressbrook Creek Dam headwater level	✓	
Cressbrook Creek Dam tailwater		✓
Mount Crosby Weir inflow		✓
Mount Crosby Weir headwater level	✓	
Mount Crosby Weir tailwater		✓
North Pine Dam inflow		✓
North Pine Dam headwater level	✓	
North Pine Dam tailwater		✓
Perseverance Dam inflow		✓
Perseverance Dam headwater level	✓	
Perseverance Dam tailwater		✓
Somerset Dam inflow		✓
Somerset Dam headwater level	✓	
Somerset Dam tailwater		✓
Wivenhoe Dam inflow		✓
Wivenhoe Dam headwater level	✓	
Wivenhoe Dam tailwater		✓





