

Burnett Basin Resource Operations Plan

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Foreword

The Burnett Basin Resource Operations Plan has been amended to allow for the responsible use of groundwater in the Coastal Burnett groundwater management area and contributes to the implementation of the Government's four-pillar economic policy.

The amended plan converts approximately 660 groundwater licences to tradeable water allocations—a first for Queensland. It establishes a new framework for groundwater trading to support economic growth and strengthen regional communities, while continuing to implement the outcomes and strategies specified in the Water Resource (Burnett Basin) Plan 2014.

The amended plan introduces groundwater management arrangements to reduce the extent of seawater intrusion and its impacts on agricultural production and groundwater resources in the Coastal Burnett groundwater management area.

Submissions on the draft amended plan were considered in finalising this plan. A report is available which summarises the issues raised during community consultation and in submissions received, and how these issues were dealt with in finalising the amended plan.

I take this opportunity to acknowledge the role of the local groundwater advisory groups in contributing to the planning process for managing groundwater in the Coastal Burnett groundwater management area. I would like to thank all stakeholders and individuals who participated in the consultation process as this contributed to the provisions in this amended plan.

Dr Brett Heyward

Director-General
Department of Natural Resources and Mines

Chapter 1 Introduction

Overview

This chapter summarises the evolution of the Water Resource (Burnett Basin) Plan 2000 (Burnett WRP) from its foundation as subordinate legislation under the Water Act 2000 to its implementation through a resource operations plan.

The proposed scope of the Burnett Basin Resource Operations Plan in implementing the Burnett WRP and how it may be amended to provide for future infrastructure are described in this chapter.

Background

The passing of the *Water Act 2000* by the Queensland Parliament began a new era of water resource planning and management in the State. The Act requires the Minister to plan for the allocation and sustainable management of water to meet Queensland's future water requirements, including consideration of the protection of natural ecosystems and security of supply to water users.

To achieve this objective, the Water Act prescribes the process for preparing water resource plans for specific catchments within Queensland. Under this process water resource plans are prepared to identify a balance between waterway health and community needs, and to set allocation and management objectives. The resource operations plan provides the operational details on how this balance can be achieved. The process is outlined in Figure 1.1.

In December 2000, the Burnett Basin took an important step towards sustainability with the release of the Burnett WRP.

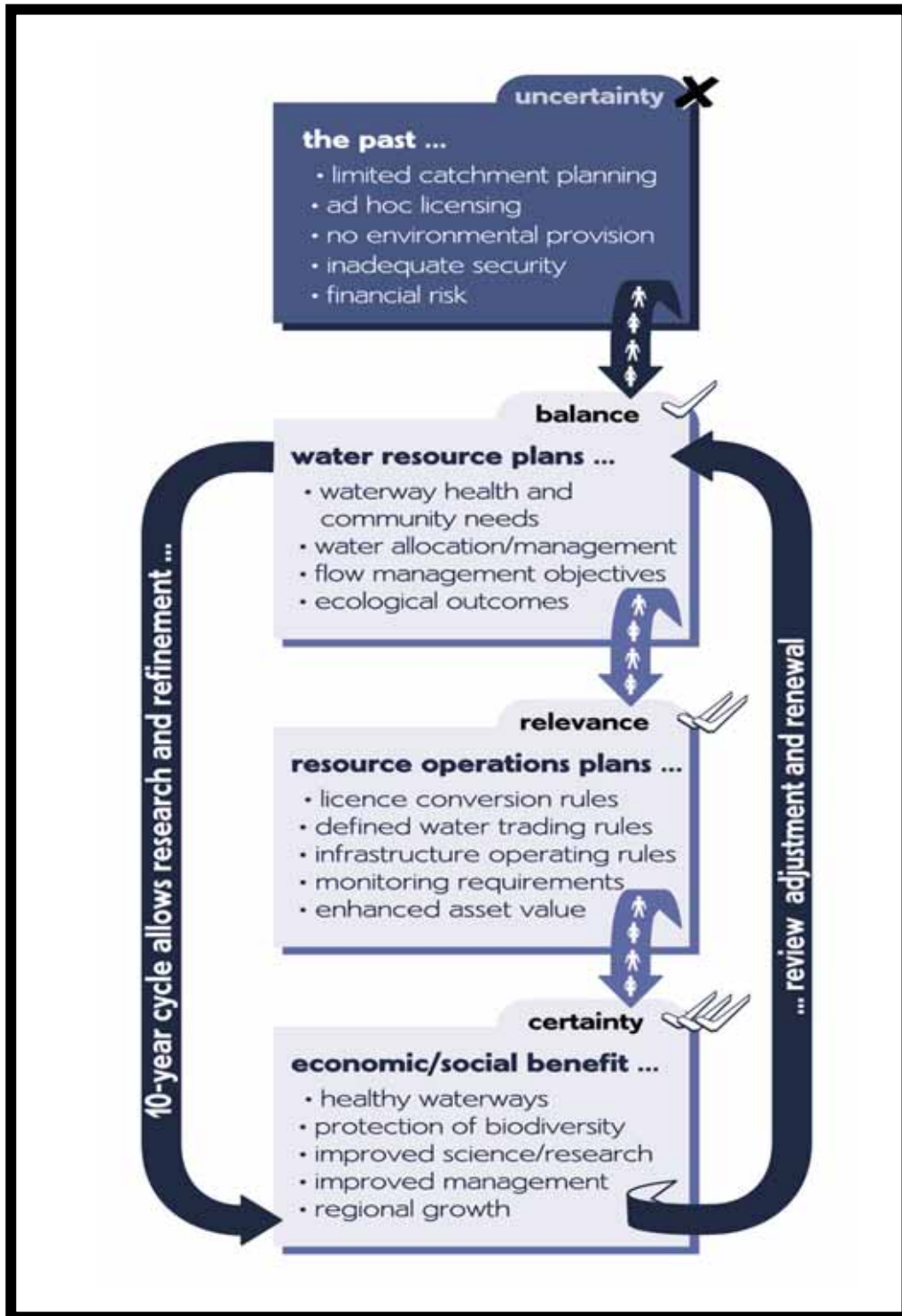
The Burnett Basin is one of the largest in South East Queensland. Its contribution to the State economy is derived from dryland and irrigated agriculture, grazing, mining, fisheries and power generation. Equally important is the basin's diverse natural environment.

Covering approximately 38,370 square kilometres, including the catchments of the Burnett, Kolan, Isis, Gregory and Elliott Rivers, the plan area stretches from the western ranges to the coastal plains. The basin's rivers and their ecosystems have evolved in response to highly variable and irregular flow patterns.

The purpose of the Burnett WRP is to provide a strategic framework for the allocation and management of water within the Burnett Basin to meet defined outcomes. These outcomes are listed in Section 2.7 of the Burnett Basin Resource Operations Plan (Burnett ROP).

The Burnett ROP is the primary tool for implementing the Burnett WRP. It defines the rules that will guide the day-to-day management of stream flows and water infrastructure to achieve the objectives of the Burnett WRP.

Figure 1.1 Relationship between water resource plans and resource operations plans



Water resource plan amendments

The Burnett WRP has been amended since its release to correct a minor drafting error prior to the release of the Burnett ROP. A minor amendment was released in November 2005 to update scheme boundaries and terminology for consistency with the Burnett ROP.

The WRP was amended under Part 3A of the *Water Infrastructure Development (Burnett Basin) Act 2001*. This Act provided for the amendment of the Burnett WRP and facilitated investigations into the feasibility of developing water infrastructure in the Burnett Basin. Burnett Water Pty Ltd, a subsidiary company of SunWater, carried out these investigations.

The Environmental Impact Statement (EIS) process carried out as part of the infrastructure investigations provided extensive opportunities for consultation. On the basis of this process the Government amended the Burnett WRP by legislation rather than using the processes contained in the Water Act. The *Water Infrastructure Development (Burnett Basin) Act 2001* amended s.11(2) and Schedule 5 of the Burnett WRP.

A Burnett Basin Water Resource Plan amendment was approved in November 2007 to deal with the groundwater resources in the Coastal Burnett Groundwater Management Area in line with the requirements of the *Water Act 2000*. It was developed to provide a sustainable management framework for the coastal groundwater resources of the Elliott Formation and Fairymead Beds alluvial aquifers.

Implementation of the water resource plan

Only one resource operations plan can be in effect to implement each water resource plan. This Burnett ROP implements the Burnett WRP in the Lower Burnett and Kolan Rivers project area, the Upper Burnett and Nogo Rivers project area, the Barker–Barambah Creeks catchment project area and the Boyne and Stuart River catchments project area.

Implementation includes:

- conversion of existing authorisations to water allocations
- granting of Resource Operations Licences (ROL) to existing water service providers (such as SunWater)
- infrastructure operating rules to ensure that Water Allocation Security Objectives (WASOs) and Environmental Flow Objectives (EFOs) are met
- water allocation change rules.

Preparation of the resource operations plan

Preparation of the draft Burnett ROP

On 20 February 2002, the former Chief Executive of the then Department of Natural Resources and Mines (NRM) published a notice inviting interested individuals and groups to make submissions on the Department's intention to prepare a resource operations plan.

Release of the draft Burnett ROP

The draft Burnett ROP was released on 2 December 2002. A Public Notice was published to advise of the release and advertise a series of public meetings held throughout the project areas.

Finalisation of the Burnett ROP

A total of 242 submissions were received on the draft Burnett ROP. These submissions were referred to the independent Referral Panel who made recommendations to the former Chief Executive. A report on issues raised in the submissions has been prepared by the department and is available on request. The Burnett ROP was approved by the Governor in Council on 29 May 2003 and came into effect on 2 June 2003.

Amendment to include Kirar Weir

The Burnett tROP reserved allocations of water to be made available through approved proposed infrastructure developments. In 2005 the plan was amended to include Kirar (formally Eidsvold) Weir in the Upper Burnett Water Supply Scheme.

Amendment to include Paradise Dam and the Barker Barambah Creeks catchment, including the Barker Barambah Water Supply Scheme

Preparation of the draft amendment for the Barker Barambah Creeks Catchment

On 22 September 2003, the former Chief Executive of the then NRM published a notice inviting interested individuals and groups to make submissions on the Department's intention to amend the Burnett ROP to include the Barker Barambah Creeks catchment, including the Barker Barambah Water Supply Scheme.

Release of the draft amendment for the Barker Barambah Creeks Catchment

The draft amending Burnett ROP was released on 30 May 2005. A Public Notice was published to advise of the release and advertise a public meeting held in Murgon.

Finalisation of the amendment to include Paradise Dam and the Barker Barambah Creeks Catchment

A total of five submissions were received on the draft amending Burnett ROP for the Barker Barambah Creeks Catchment. These submissions were referred to the independent Referral Panel who made recommendations to the former Chief Executive. A report on issues raised in the submissions has been prepared by the department and is available on request.

This amendment also included provision for the operation of Paradise (formally Burnett River) Dam in the Bundaberg Water Supply Scheme in accordance with Section 8.1 of the ROP. The Burnett ROP (April 2005) reserved allocations of water to be made available through approved proposed infrastructure developments.

The amendment to the Burnett ROP was approved by the Governor in Council on 17 November 2005 and came into effect on 21 November 2005.

Amendment to include Boyne River and Tarong Water Supply Scheme and Boyne and Stuart River catchments into the plan

Preparation of the draft amendment for the Boyne and Stuart River Catchments

On 6 September 2004, the former Chief Executive of the then NRM published a notice inviting interested individuals and groups to make submissions on the then department's intention to amend the Burnett ROP to include the Boyne River and Tarong Water Supply Scheme and Boyne and Stuart River catchments.

Release of the draft amendment for the Boyne River and Tarong Water Supply Scheme and Boyne and Stuart River catchments into the plan

The draft amending ROP was released on 15 May 2006. A Public Notice was published to advise of the release and advertise two public meetings held in Kingaroy and Mundubbera.

Finalisation of the amendment to include Boyne River and Tarong Water Supply Scheme and Boyne and Stuart River catchments

A total of 17 submissions were received on the draft amending Burnett ROP for the Boyne and Stuart River Catchments. These submissions were referred to the independent Referral Panel who made recommendations to the former Chief Executive. A report on issues raised in the submissions has been prepared by the department and is available on request.

The amendment to the Burnett ROP was approved by the Governor in Council on 14 December 2006 and came into effect on 18 December 2006.

Amendment to include the Coastal Burnett groundwater management area

Preparation of the draft amendment for the Coastal Burnett groundwater management area

On 22 January 2007, the then department's Chief Executive published a notice inviting interested individuals and groups to make submissions on the then NRM's intention to amend the Burnett ROP to include groundwater within the Coastal Burnett groundwater management area.

Future amendments

The Burnett ROP will be progressively amended on a priority basis to extend its application to include the following water supply schemes and unsupplemented areas:

- Three Moon Creek Water Supply Scheme
- Gregory, Elliott and Isis catchments
- unsupplemented tributaries and all other areas.

Proposed infrastructure

The ROP has reserved allocations of water which will be made available through proposed infrastructure developments.

Proposed infrastructure in the Bundaberg Water Supply Scheme and Upper Burnett Water Supply Scheme includes:

- raising of Jones Weir (Stage 2)
- raising of Ned Churchward Weir (Stage 2).

Proposed infrastructure in the Barker Barambah Water Supply Scheme includes the construction of Barlil Weir.

The specific volume of the reserved allocations and the details of the infrastructure are provided in the overview of Chapter 7.

Following the construction of each proposed piece of infrastructure to the satisfaction of the chief executive, it is intended that water allocations will be granted or amended in accordance with the approved infrastructure. A ROL will also be granted where required.

As the design details of the new infrastructure have yet to be finalised, this ROP details a process for amending the ROP to include infrastructure design and construction details. This amendment will allow water to be made available within the project areas at the earliest opportunity.

The process by which this amendment will occur is explained in the overview of Chapter 8.

Chapter

2

Scope of the Burnett Basin Resource Operations Plan

Overview

The Water Act clearly specifies the elements a resource operations plan must contain or address. The elements include the water resource plan which the resource operations plan is implementing, its name, the area and the water to which it applies, the infrastructure involved, how water will be managed and how it will be monitored.

The Burnett ROP applies to the entire Burnett Basin area covered by the Burnett WRP. Within this basin the Burnett ROP identifies project areas for:

- converting water entitlements to tradeable water allocations
- establishing zones and rules for water trading
- establishing rules for operating infrastructure.

In addition the Burnett ROP specifies which reaches are to be included in water trading zones.

2.1 Purpose of this plan

This resource operations plan implements the **Water Resource (Burnett Basin) Plan 2014**.

2.2 Name of the resource operations plan

The name of this resource operations plan is the *Burnett Basin Resource Operations Plan 2003*.

2.3 Commencement of the resource operations plan

The Burnett Basin ROP was approved by the Governor in Council on 29 May 2003 and came into effect on 2 June 2003. The Burnett ROP commenced on the first business day after the ROP took effect.

Amendments to the Burnett ROP take effect on the day approval by the Governor in Council is notified in the Gazette. Amendments commence on the first business day after the amendment to the Burnett ROP takes effect.

2.4 Resource operations plan area

The Burnett ROP area is the entire Burnett Basin area covered by the Burnett WRP. The area covered is shown in Map A.

2.4.1 Surface water

The ROP contains the management rules for the following areas:

- Boyne River Water Project Area (Boyne River and Tarong Water Supply

- Scheme and the Boyne and Stuart Rivers Water Management Area);
- Bundaberg Water Project Area (Bundaberg Water Supply Scheme and Lower Burnett and Kolan Rivers Water Management Area)
- Barker Barambah Water Project Area (Barker Barambah Water Supply Scheme and Barker Barambah Creeks Water Management Area)
- Upper Burnett Water Project Area (Upper Burnett Water Supply Scheme and the Upper Burnett and Nogo Rivers Water Management Area).

These water supply schemes and water management areas are shown in Maps B and C.

2.4.2 Groundwater

The Burnett ROP contains water sharing and management rules for the Coastal Burnett groundwater management area (Coastal Burnett GMA). This area is shown in Map E.

2.5 Water to which the resource operations plan applies

This Burnett ROP applies to the following water (surface water) in the plan area:

- (a) water in a watercourse or lake;
- (b) water in springs not connected to—
 - (i) artesian water; or
 - (ii) subartesian water connected to artesian water.

This Burnett ROP also applies to groundwater in the Coastal Burnett GMA.

2.6 Water infrastructure to which the resource operations plan applies

The Burnett ROP applies to the infrastructure outlined in the attachments for the following water supply schemes:

- Bundaberg Water Supply Scheme – Attachment 4.1D
- Upper Burnett Water Supply Scheme – Attachment 4.2D
- Barker Barambah Water Supply Scheme – Attachment 4.3D
- Boyne River and Tarong Water Supply Scheme - Attachment 4.4D.

Proposed infrastructure within these water supply schemes is dealt with in Chapters 7 and 8.

2.7 How water to which the resource operations plan applies will be sustainably managed

The Burnett ROP has been developed to meet the outcomes for sustainable management of water specified in Part 3 of the Burnett WRP. These outcomes will be met through implementation of the following management strategies and requirements specified in the Burnett WRP including:

- ensuring security of water supply
- allowing water to be used for urban, industrial, agricultural and domestic uses
- protecting supplemented and unsupplemented water entitlements
- providing for community expectations on future water requirements

maintaining areas of significant conservation value and protecting species of conservation value

providing for environmental outcomes such as:

- maintaining riverine and estuarine ecosystems
- preventing saltwater intrusion into groundwater
- providing wet season flows
- allowing movement of fish.

Management strategies for supplemented water supply schemes and unsupplemented water management areas are specified in Chapters 4 and 5 respectively. Dealing with new water entitlements and the process for meeting future water requirements are specified in Chapters 7 and 8 respectively.

2.8 Water and natural ecosystem monitoring practices that will apply in the plan area

The monitoring and reporting processes required to comply with the WRP are specified in Chapter 3 of this document.

2.9 Resource operations plan areas and zoning

2.9.1 Surface water

For the purpose of defining the location of a water allocation within a particular reach of the river, geographic zones have been specified in the plan area. These zones are integral components of the operational arrangements specified for the water supply schemes and water management areas identified in Chapters 4 and 5.

Attachments 2.1 and 2.2 define and display these zones, according to their number and geographic location in the ROP area.

2.9.2 Groundwater

The Coastal Burnett GMA consists of the following spatial and hydrogeological components. Further spatial descriptions can be found in Attachment 2.3.

Groundwater Units

- Unit 1, containing the aquifers of the:
 - a) Elliott Formation
 - b) Gooburrum Clay
 - c) Quaternary alluvium
 - d) Coastal Dune Sands
 - e) Hummock Basalt
 - f) Pemberton Basal;
 - g) Burrum Coal Measures.
- Unit 2, containing the aquifers of the Fairymead Beds.

Groundwater Sub-areas

Each of the following areas within the Coastal Burnett Unit 1 and shown on the map

in Sheet 2.3.1 is a groundwater sub-area for this plan:

- a) Kolan-Burnett A
- b) Kolan-Burnett B
- c) Burnett-Elliott A
- d) Burnett-Elliott B
- e) Elliott-Gregory A
- f) Elliott-Gregory B
- g) Farnsfield B.

Each of the following areas within the Coastal Burnett Unit 2 unit and shown on the map in Sheet 2.3.2 is a groundwater sub-area for this plan:

- a) Fairymead A
- b) Fairymead B.

Groundwater zone groups

Each of the sub-areas consists of one or more zone groups. A zone group consists of multiple zones that share similar hydrological characteristics. There are a total of 46 zone groups in the Coastal Burnett GMA and these are defined in Attachment 2.3.

Groundwater zones

There are a total of 100 zones within the Coastal Burnett GMA. Groundwater zones are defined in Attachment 2.3 and shown on the maps in Sheets 2.3.3 – 2.3.11.

2.9.3 Information about ROP areas and zoning

The exact location of the boundaries described in the ROP are held in digital electronic form by the Department of Natural Resources and Mines (DNRM) and can be reduced or enlarged to show the details of the boundaries.

The information held in digital electronic form can be inspected at any of DNRMs offices.

Chapter

Monitoring

3

Overview

The purposes of the monitoring programs are:

- to determine if rules specified in the ROP have been successfully implemented
- to help assess if outcomes specified in the WRP have been achieved
- to carry out monitoring of impacts in and immediately below impounded areas.

Attachment 3.1 shows the linkages between the outcomes prescribed in the Burnett WRP and the relevant Burnett ROP rules that are to achieve the outcomes. It also lists examples of monitoring that will be undertaken to assess if the outcomes are being achieved.

An outline of the monitoring framework is shown in Figure 3.1.

Monitoring programs will include:

- water monitoring (e.g. stream flow, storage level, water use)
- natural ecosystem monitoring (e.g. water quality, riparian vegetation, fish).

Water monitoring

The ROP specifies rules regarding water infrastructure operation and the taking of water. These rules have been developed to implement management strategies that will achieve the WASOs and EFOs specified in the Burnett WRP. Water monitoring will be undertaken to determine if the rules are successfully implemented and the objectives are being achieved. This monitoring will include the collection of:

- infrastructure operation information;
- stream flow information
- water diversion and use information.

This information will be collected as part of the ROL holder monitoring requirements specified in Chapter 4, and as part of the State monitoring program specified in Attachment 3.2.

It will be a condition of a ROL that the ROL holder must carry out and report on the stated monitoring program as set out in the ROP.

The measuring of water diversion and use by meters and/or other flow measurement devices is fundamental to the responsible management of the basin's water resources and will be achieved through the ROP.

Meters and/or other flow measurement devices are required to provide data for water management activities, including:

- demonstrating compliance with operating and management rules
- equitable sharing of available water
- property scale water management
- future water resource planning.

All water entitlements in the project areas and groundwater management areas covered by the Burnett ROP are currently, or will be, metered in accordance with the Water Regulation 2002. The introduction of metering for other water entitlements will occur as the Burnett ROP is progressively implemented in accordance with this policy.

Where meters or other approved flow measurement devices are to be installed as a requirement of the Burnett ROP, local water user representatives will be invited to participate in the planning and management of the metering project.

A project team will be established for each implementation area. This team, to be made up of departmental staff and local water user representatives, will manage the process to ensure that local conditions and concerns are adequately addressed. The process may include:

- consultation with affected water users
- establishment of project management guidelines
- evaluation of existing works for meter installation requirements
- preliminary design and costing of installations to meet user and regulatory needs
- consideration of financial arrangements for metering
- contractual arrangements for the supply and installation of water meters or flow measurement devices.

Natural ecosystem monitoring

The natural ecosystem monitoring program specified in this Burnett ROP details information to be collected to assist in assessing the effectiveness of the management strategies in achieving the ecological outcomes specified within the Burnett WRP.

The natural ecosystem monitoring program will collect information such as:

- riparian and aquatic vegetation abundance and type
- macroinvertebrate abundance and diversity
- fish community data
- geomorphic processes
- aquatic habitat
- bank stability
- water quality
- groundwater levels.

The natural ecosystem monitoring program is specified in Attachment 3.3.

Related monitoring programs

Monitoring is an integral part of water resource planning and management with the outcomes of evaluation being incorporated into future water planning.

The Burnett ROP sets out the monitoring requirements that will be undertaken by the Queensland Government and ROL holders. Information collected as part of other monitoring programs (such as community monitoring programs, Waterwatch, National Action Plan for Salinity and Water Quality) or specific research projects in

the basin may be used to help with the assessment of the ecological outcomes of the Burnett ROP and Burnett WRP, but are not detailed here.

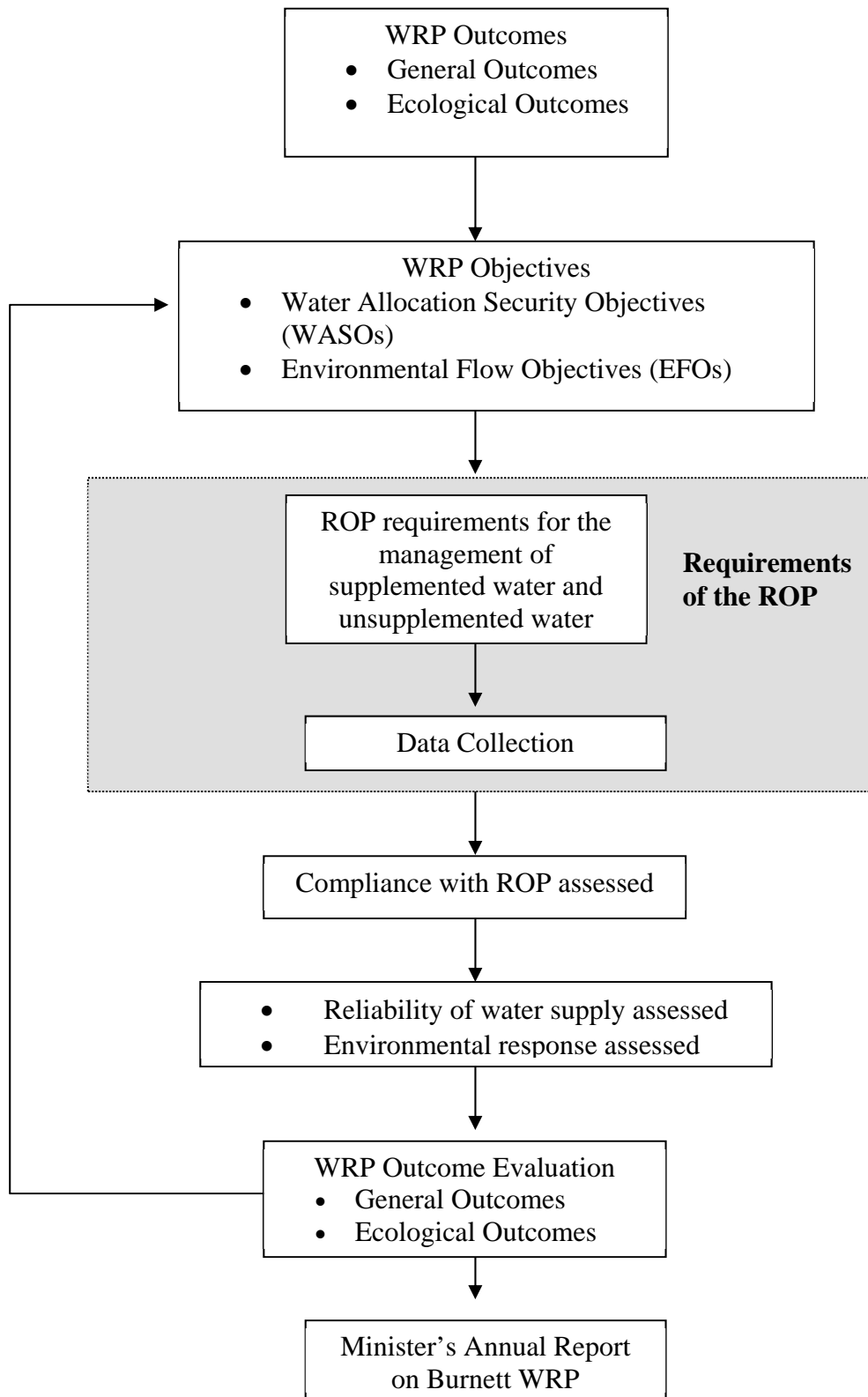
The Burnett ROP monitoring programs are utilising methodologies that are based on the best scientific knowledge to date. It is anticipated that with time and a better understanding of the science behind environmental flows and changes to natural flow regimes, different methodologies and indicators may be developed and adopted. The Burnett ROP monitoring programs are designed to include adaptive management techniques, whereby up-to-date scientific research findings can be incorporated into the methodologies of the monitoring program, staying abreast of current scientific trends.

Reporting

Reporting on the implementation of the Burnett ROP, including results of monitoring, will be included in the Minister's Summary Annual Report on the Burnett WRP found on the DNRM website at www.dnrm.qld.gov.au. The report will include:

- findings of relevant research
- an assessment of whether plan outcomes are being achieved
- an assessment of the validity of plan objectives
- the total water entitlements covered by the plan
- any non-compliance with the Burnett ROP.

Figure 3.1 Monitoring framework



3.1 Monitoring linkages to water resource plan outcomes

Overview

Attachment 3.1 shows the linkages between the WRP outcomes, the relevant ROP rules that are to achieve the outcomes and lists examples of monitoring that will be undertaken to assess if the outcomes are being achieved.

3.2 Queensland Government monitoring requirements

There are two components to Queensland Government monitoring requirements. These are:

- water monitoring
- natural ecosystem monitoring.

Water monitoring

The water quantity, including entitlement metering, and quality monitoring program is specified in Attachment 3.2. Along with this monitoring, the chief executive will be performing an annual risk assessment review to assess any impact of further floodplain or overland-flow development that may potentially impact on the objectives or outcomes stated within the WRP.

Natural ecosystem monitoring

The natural ecosystem monitoring requirements for the ROP area and for specific catchments within the ROP area are specified in Attachment 3.3.

3.3 Resource Operations Licence holder monitoring requirements

The monitoring requirements for the Bundaberg Water Supply Scheme are detailed in Chapter 4, Section 4.1.8.

The monitoring requirements for the Upper Burnett Water Supply Scheme are detailed in Chapter 4, Section 4.2.8.

The monitoring requirements for the Barker Barambah Water Supply Scheme are detailed in Chapter 4, Section 4.4.8.

The monitoring requirements for the Boyne River and Tarong Water Supply Scheme are detailed in Chapter 4, Section 4.5.8.

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

3.4 Standard of data collecting

Where this plan requires monitoring by a ROL holder, including measurement, collection, analysis and storage of data, the ROL holder must ensure the monitoring is consistent with the Water Monitoring Data Collection Standard.

The Water Monitoring Data Collection Standard may be reviewed and updated by the chief executive at any time.

The Chief Executive must notify the ROL holder at least 20 business days before any substantive changes are made to the Water Monitoring Data Collection Standard.

3.5 Standard of data reporting

Where this plan requires transfer of data or reporting by a ROL holder, the ROL holder must ensure the transfer or reporting is consistent with the Water Monitoring Data Reporting Standard.

The Water Monitoring Data Reporting Standard may be reviewed and updated by the chief executive at any time.

The Chief Executive must notify the ROL holder at least 20 business days before any substantive changes are made to the Water Monitoring Data Reporting Standard.

Chapter 4 Supplemented water supply schemes

Overview

Supplemented water is water that is supplied from a water supply scheme under a ROL or Interim Resource Operations Licence (IROL). This chapter deals with water supply schemes and the management of supplemented water, including the conversion of existing supplemented water authorisations to water allocations.

Unsupplemented water management (e.g. water harvesting) is covered in Chapter 5.

Water supply schemes and their operation

This ROP applies to the following water supply schemes:

- Bundaberg Water Supply Scheme
- Upper Burnett Water Supply Scheme
- Barker Barambah Water Supply Scheme
- Boyne River and Tarong Water Supply Scheme.

The approximate extent of these water supply schemes is shown in Map B.

Resource operation licences have been granted for the Bundaberg, Upper Burnett, Barker Barambah and Boyne River and Tarong Water Supply Schemes. However, the ROL holders will continue to operate under the rules contained in the previous ROL or IROL until commencement of the subsequent water year or as specified in the implementation schedule in Attachment 9.1.

Proposed infrastructure

Proposed additional infrastructure on the Burnett River is the:

- raising of Jones Weir (Stage 2); and
- raising of Ned Churchward Weir (Stage 2).

Proposed additional infrastructure on Barambah Creek is the construction of Barlil Weir.

The Coordinator-General has yet to complete investigations into the raising of Ned Churchward Weir (Stage 2).

The volume of water reserved for and made available by the proposed infrastructure is set out in Chapter 7, Section 7.1.

Although the Coordinator-General has conditionally approved the infrastructure, the design specifications and operating arrangements are in the process of finalisation. The chief executive will amend the ROP under s.106(b) of the Water Act, to provide for the operation of the infrastructure and a process for the grant of the associated water allocations, upon receipt of final specifications for the proposed infrastructure, which are consistent with the WRP, including the WASOs and EFOs. The amendments that may be made in this process are listed in Chapter 8, Section 8.1.

Other water supply schemes in the Burnett Basin

This ROP does not yet apply to the Three Moon Creek Water Supply Scheme, which will be included through an amendment to the ROP at a later stage.

In the interim, this scheme will be operated and managed in accordance with SunWater's existing IROL.

Conversion of current authorisations to water allocations

This chapter provides for the conversion of existing authorisations to water allocations. Details of the existing authorisations to be converted and these conversions are outlined for water supply schemes. Supplemented water allocations are described in terms of volume, location, the purpose for which the water is used and the priority group.

Water allocations will be tradeable separately from the title to land within defined limits and rules proposed in the ROP.

Location

The location from which water may be taken under a water allocation is specified as a zone. These zones are defined in Attachment 2.1.

Purpose

The purpose for which water may be taken under a water allocation is specified as 'agriculture', 'any' or 'distribution loss'. 'Any' is the nominated purpose for all uses of water, including agriculture. 'Agriculture' is the nominated purpose for those existing authorisations that are primarily used for agricultural purposes. 'Distribution loss' is the nominated purpose for losses associated with the delivery of water from a diversion point on a watercourse through SunWater's off-stream distribution system.

Priority

Water allocations fall into 'medium' priority and 'high' priority groups. The WASOs for supply of these two groups are specified in the WRP.

Volumes for certain water allocations

The volume for a water allocation will be the volume stated on the existing authorisation, subject to possible adjustments to the volume for entitlements associated with watering for stock and domestic purposes.

For example, elements of existing authorisations providing for taking water for stock and domestic purposes on land adjoining a watercourse (i.e. riparian and adjoining lands) will not convert to water allocations. This is because, under the Water Act, an owner of land adjoining a watercourse, lake or spring may, without a water entitlement, take water for domestic purposes and watering stock that would be normally depastured on the land.

WASOs in water supply schemes

The WASOs for water allocations are specified in the WRP.

Water sharing rules

The water sharing rules:

- specify how available water resources will be apportioned between the medium priority and high priority water allocations;
- detail how announced allocations will be determined by the ROL holder and when they must be revised; and
- detail any restrictions that may apply.

Details of how water supplied under a water allocation may be reassigned between water users are listed in Section 2.2 of Attachment 4.1F, 4.2F and 4.3F and Section 2.1 of Attachment 4.4F.

Water entitlements in other water supply schemes in the Burnett Basin

Existing authorisations outside the Bundaberg, Upper Burnett, Barker Barambah and Boyne River and Tarong Water Supply Schemes will continue to have effect under their existing terms and conditions unless otherwise amended, whether through an amendment to the ROP or for consistency with the WRP or as a consequence of other routine actions under the Water Act.

Water allocation change rules

Water allocations may be permanently changed subject to the rules given in Attachments 4.1H, 4.2H, 4.3H and 4.4H. A change to a supplemented water allocation may involve a reconfiguration of one or more of the following:

- the nominal volume;
- the location from which water may be taken;
- the purpose for which water may be taken;
- any conditions required by the chief executive to be entered on the water allocations register under s.127(1)(e) of the Water Act; and
- the priority group to which the water belongs.

The most common forms of change are expected to be relocation, amalgamation and subdivision of water allocations.

If a water allocation holder's proposed change were not covered by the rules specified in the ROP – that is, if it were neither expressly permitted nor expressly prohibited – then the holder would be able to apply to change the water allocation under s.130 of the Water Act.

Monitoring and reporting

An overview of the ROP monitoring program is provided in Chapter 3. Attachments 4.1G, 4.2G, 4.3G and 4.4G specify the monitoring and reporting requirements for ROL holders.

If, as a result of the monitoring required under this ROP, the ROL holder becomes

aware of an incident or storage operation practice that may cause or threaten to cause material or serious environmental harm as defined by the Environmental Protection Act 1994 (EP Act), the ROL holder has an obligation under s.320 of the EP Act to report the incident to the Environmental Protection Agency (EPA). This may include water released from storages not meeting the relevant water quality guidelines as determined by the Environmental Protection (Water) Policy 1997.

Water entitlements being converted to allocations

Some of the Local Governments requested a review of the entitlements within the project areas specified in IROLs. These entitlements are held by Local Governments and SunWater and remained as Interim Water Allocations (IWA) until the review process was concluded.

The review recommended that the entitlements listed in Table 1 of Attachment 4.2A be converted to water allocations.

The 2009 ROP now provides for the conversion of the IWA to water allocations.

4.1 Bundaberg Water Supply Scheme

Overview

This section deals with the operation of infrastructure and the management of supplemented water associated with the Bundaberg Water Supply Scheme. This scheme is located on the Burnett River extending from within the ponded area of Paradise Dam downstream to Ben Anderson Barrage, and on the Kolan River from the impoundment area of Fred Haigh Dam at full supply level downstream to the Kolan River Barrage, including locations directly benefited by supplemented flow or pondage from these river reaches. The extent is detailed in Section 4.1.1 and shown on Map B.

This overview highlights some of the key aspects of the ROP relating to supplemented water management in this scheme.

Subscheme operation strategy

The operational arrangements require the Bundaberg Water Supply Scheme to be treated as two subschemes when the level in Fred Haigh Dam at the start of the water year is at or below 66.06 m AHD (this is approximately 200 000 ML). The details of these operating arrangements are provided in Attachment 4.1E and 4.1F. The subschemes are:

- Kolan River Subscheme; and
- Burnett River Subscheme.

For the subschemes, separate announced allocations are to be made for each subscheme, although they will continue to operate as one scheme.

Environmental management rules

The operating rules include management strategies for passing low, medium and

high flows. Rules are included for specific infrastructure such as maintaining water levels in Ned Churchward Weir during critical periods and passing flows at Bucca Weir as required. The development of procedures to be applied on a daily basis is required to allow decisions about low, medium and high flow releases to be made in accordance with the WRP. The ROL holder is required to implement these procedures as specified in Attachment 4.1E, Section 2.7.

Releases associated with fish transfer devices

The release strategies specify the requirements for the operations of the fish transfer devices on Ned Churchward Weir, Ben Anderson Barrage and Kolan Barrage.

Water sharing rules

The water sharing rules specify how available water will be shared between the medium and high priority water allocation groups.

The water sharing rules include announced allocation rules for medium and high priority water allocations and rules that define any restrictions that are to be applied. These include carrying over, or bringing forward from one water year to the next, water able to be taken under a water allocation.

Announced allocations for medium and high priority water allocations will be determined separately in the Kolan River and Burnett River Subschemes when the level of Fred Haigh Dam at the start of the water year is at or below 66.06 m AHD (approximately 200 000 ML).

The Water Regulation 2002, s.55 provides that the water in an aquifer under the bed or banks of the Kolan River to a depth of 10 m between AMTD 14.5 and AMTD 76.4, is water in a watercourse, and therefore this water is subject to the water sharing rules specified in Attachment 4.1F.

4.1.1 Extent of the water supply scheme

The Bundaberg Water Supply Scheme comprises the entire extent of the two subschemes described below. This scheme operates as a single system until the level in Fred Haigh Dam at the start of the water year is at or below 66.06 m AHD (approximately 200 000 ML). The extent of the combined scheme is shown in Map B.

The Kolan River Subscheme extends from the Kolan Barrage to the impounded area of Fred Haigh Dam at full supply level. This corresponds to the Kolan River reach from AMTD 14.7 to AMTD 116. It includes the following infrastructure:

- Fred Haigh Dam;
- Bucca Weir; and
- Kolan Barrage.

The Burnett River Subscheme extends from Ben Anderson Barrage to within the ponded area of Paradise Dam. This corresponds to the Burnett River reach from AMTD 25.9 to AMTD 162.8. It includes the following infrastructure:

- Paradise Dam;
- Ned Churchward Weir; and

- Ben Anderson Barrage.

The subschemes also include locations directly benefited by supplemented flow or pondage from the river reaches described above.

4.1.2 Water allocations associated with the water supply scheme

Changes to the water allocations may be allowed in accordance with the water allocation change rules given in Section 4.1.7.

4.1.3 Reserved for future amendments

4.1.4 Infrastructure associated with the water supply scheme

The infrastructure associated with the Bundaberg Water Supply Scheme is described in Attachment 4.1D and may not be changed unless the change is provided for in Chapter 8 of the ROP.

Proposed infrastructure within the Bundaberg Water Supply Scheme is dealt with in Chapters 7 and 8.

4.1.5 Subsection number not used

4.1.6 Water sharing rules

Water sharing rules for the Bundaberg Water Supply Scheme are described in Attachment 4.1F.

The volume of water available at any time to holders of medium and high priority water allocations in the Bundaberg Water Supply Scheme must be determined through the water sharing rules.

4.1.7 Water allocation change rules

The water allocation change rules for supplemented water supply schemes are described in Section 4.10.

4.1.8 Monitoring and reporting requirements for the ROL holder

The monitoring and reporting requirements for the Bundaberg Water Supply Scheme are given in Attachment 4.1G.

4.2 Upper Burnett Water Supply Scheme

Overview

This section deals with the operation of infrastructure and management of supplemented water associated with the Upper Burnett Water Supply Scheme. On the Nogo River this scheme includes the ponded area of Wuruma Dam downstream to the Burnett River. On the Burnett River the scheme extends from the ponded area of John Goleby Weir downstream to within the ponded area of Paradise Dam. The

scheme includes locations directly benefited by supplemented flow or pondage from these river reaches.

The extent of the Upper Burnett Water Supply Scheme is detailed in Section 4.2.1 and shown on Map B.

This overview highlights some of the key aspects of the ROP relating to supplemented water management in this scheme.

Subscheme operation strategy

The Upper Burnett Water Supply Scheme consists of four subschemes. These are:

- John Goleby Subscheme;
- Wuruma–Kirar Subscheme;
- Jones Subscheme; and
- Claude Wharton Subscheme.

The details of these subschemes are specified in Section 4.2.1.

Environmental management rules

The operating rules include management strategies for passing low, medium and high flows. Rules are specified for specific infrastructure such as passing flows at Claude Wharton Weir as required. The development of procedures to be applied on a daily basis is required to allow decisions about low, medium and high flow releases to be made in accordance with the WRP. The ROL holder is required to develop and implement these procedures as specified in Attachment 4.2E, Section 2.7.

Water sharing rules

The water sharing rules specify the way the available water will be shared between the water allocation priority groups, namely medium and high.

The water sharing rules in the ROP include announced allocation rules for medium and high priority water allocations and rules that define any restrictions that are to be applied. Announced allocations for medium and high priority water allocations will be determined separately in the subschemes.

Releases associated with fish transfer devices

The release strategies for the operation of the fish transfer devices on Kirar Weir are contained in the Fishway Management Plan developed and administered by Queensland Primary Industries and Fisheries in consultation with the ROL holder.

4.2.1 Extent of the water supply scheme

The Upper Burnett Water Supply Scheme is divided into four subschemes as detailed in Map B. These are:

- **John Goleby Subscheme:**
 - this subscheme extends from AMTD 333.9 on the Burnett River to the confluence of the Burnett and Nogo Rivers (AMTD 311.8) and includes

John Goleby Weir;

- **Wuruma–Kirar Subscheme:**
 - this subscheme extends from AMTD 44.5 on the Nogo River to AMTD 253 on the Burnett River and includes Wuruma Dam and Kirar Weir;
- **Jones Subscheme:**
 - this subscheme extends from AMTD 253 to AMTD 213.1 on the Burnett River and includes Jones Weir; and
- **Claude Wharton Subscheme:**
 - this subscheme extends from AMTD 213.1 on the Burnett River to the upper limit of the Bundaberg Water Supply Scheme at AMTD 162.8 and includes Claude Wharton Weir.

The subschemes also include locations directly benefited by supplemented flow or pondage from the river reaches described above.

4.2.2 Water allocations associated with the water supply scheme

Changes to the water allocations may be allowed in accordance with the water allocation change rules given in Section 4.2.7.

4.2.3 IWA associated with the water supply scheme to be converted

The supplemented IWA in the Upper Burnett Water Supply Scheme that will be converted to water allocations are detailed by location, nominal volume and priority group in Table 1, Attachment 4.2A.

4.2.4 Infrastructure associated with the water supply scheme

The infrastructure associated with the Upper Burnett Water Supply Scheme is described in Attachment 4.2D.

Infrastructure details defined in Attachment 4.2D may not be changed without amendment of the ROP unless the change is provided for in Chapter 8 of the ROP.

4.2.5 Subsection number not used

4.2.6 Subsection number not used

4.2.7 Water allocation change rules

The water allocation change rules for supplemented water supply schemes are discussed in Section 4.10.

4.2.8 Monitoring and reporting requirements for the ROL holder

The monitoring and reporting requirements proposed for the Upper Burnett Water Supply Scheme are given in Attachment 4.2G.

4.3 Reserved for future amendments

4.4 Barker Barambah Water Supply Scheme

Overview

This section deals with the operation of infrastructure and the management of supplemented water associated with the Barker Barambah Water Supply Scheme. This scheme is located on the part of the Barambah Creek between AMTD 85 and AMTD 189.5 and the part of Barker Creek between the confluence of Barker Creek and Barambah Creek and Bjelke-Petersen Dam, including the impounded area of the dam (AMTD 0 to AMTD 38.2). This also includes locations directly benefited by supplemented flow or pondage from these stream reaches. The extent is detailed in Section 4.4.1 and shown on Map B.

This overview highlights some of the key aspects of the ROP relating to supplemented water management in this scheme.

Environmental management rules

The operating rules include management strategies for providing compensation flows. Rules are included for specific infrastructure such as Silverleaf Weir. The ROL holder is required to implement these rules as specified in Attachment 4.3E, Section 2.7.

Water sharing rules

The water sharing rules specify how available water will be shared between the medium and high priority water allocation groups.

The water sharing rules include announced allocation rules for medium and high priority water allocations and rules that define any restrictions that are to be applied. These include carry over and forward draws in consecutive water years.

4.4.1 Extent of the water supply scheme

The Barker Barambah Water Supply Scheme comprises the part of Barambah Creek between AMTD 85 and AMTD 189.5 and the part of Barker Creek between the confluence of Barker Creek and Barambah Creek and Bjelke-Petersen Dam, including the impounded area of the dam (AMTD 0 to AMTD 38.2). The extent of the

combined scheme is shown in Map B.

It includes the following infrastructure:

- Bjelke-Petersen Dam;
- Joe Sippel Weir; and
- Silverleaf Weir.

The scheme also includes locations directly benefited by supplemented flow or pondage from the stream reaches described above.

4.4.2 Water allocations associated with the water supply scheme

Changes to the water allocations may be allowed in accordance with the water allocation change rules given in Section 4.4.7.

4.4.3 Reserved for future amendments

4.4.4 Infrastructure associated with the water supply scheme

The infrastructure associated with the Barker Barambah Water Supply Scheme is described in Attachment 4.3D and may not be changed unless the change is provided for in Chapter 8 of the ROP.

Proposed infrastructure within the Barker Barambah Water Supply Scheme is dealt with in Chapters 7 and 8.

4.4.5 Subsection number not used

4.4.6 Subsection number not used

4.4.7 Water allocation change rules

The water allocation change rules for supplemented water supply schemes are described in Section 4.10.

4.4.8 Monitoring and reporting requirements for the ROL holder

The monitoring and reporting requirements for the Barker Barambah Water Supply Scheme are given in Attachment 4.3G.

4.5 Boyne River and Tarong Water Supply Scheme

Overview

This section deals with the operation of infrastructure and the management of supplemented water associated with the Boyne River and Tarong Water Supply Scheme. This scheme extends from the impoundment area of Boondooma Dam on the Boyne River downstream to the confluence with the Burnett River. The scheme includes locations directly benefited by supplemented flow or pondage from these stream reaches. The extent is detailed in Section 4.5.1 and shown on Map B.

This overview highlights some of the key aspects of the ROP relating to supplemented water management in this scheme.

Environmental management rules

There are no specific environmental management rules required for the passing of low, medium and high flows, as scheme operation demonstrates compliance with the objectives stated within the WRP.

Water sharing rules

The water sharing rules specify how available water will be shared between the medium and high priority water allocation groups.

The water sharing rules include announced allocation rules for medium and high priority water allocations and rules that define any restrictions that are to be applied.

Conversion of an interim water allocation to a water allocation

An interim water allocation held by Tarong Energy Corporation Limited was converted to a water allocation in the November 2007 ROP.

4.5.1 Extent of the water supply scheme

The Boyne River and Tarong Water Supply Scheme comprises the part of the Boyne River between the ponded area of Boondooma Dam downstream to the confluence with the Burnett River (AMTD 110.5 to AMTD 0). The scheme also includes locations directly benefited by supplemented flow or pondage from the stream reaches described above.

4.5.2 Water allocations associated with the water supply scheme

Changes to the water allocations may be allowed in accordance with the water allocation change rules given in Section 4.10.

4.5.3 Reserved for future amendments

4.5.4 Infrastructure associated with the water supply scheme

The infrastructure associated with the Boyne River and Tarong Water Supply Scheme is described in Attachment 4.4D and may not be changed unless the change is provided for in Chapter 8 of the ROP.

4.5.5 Infrastructure operating rules

Operating rules for the infrastructure associated with the Boyne River and Tarong Water Supply Scheme are given in Attachment 4.4E.

4.5.6 Water sharing rules

Water sharing rules for the Boyne River and Tarong Water Supply Scheme are

described in Attachment 4.4F.

The volume of water available at any time to holders of medium and high priority water allocations or interim water allocations in the Boyne River and Tarong Water Supply Scheme must be determined through the water sharing rules.

4.5.7 Water allocation change rules

The water allocation change rules for supplemented water supply schemes are described in Section 4.10.

4.5.8 Monitoring and reporting requirements for the ROL holder

The monitoring and reporting requirements for the Boyne River and Tarong Water Supply Scheme are given in Attachment 4.4G.

4.6 to 4.9 reserved for future amendments

4.10 Water allocation change rules

Changing and transferring water allocations

The trade of a water allocation involves a transfer of the ownership of the allocation and may not involve any change to the allocation itself. A transfer occurs when the registrar of water allocations registers the new ownership on the water allocation register.

A change to a water allocation involves a change to the nature of the water allocation itself rather than a transfer of ownership. A common form would be a change to the location at which the water allocation is taken. A change to a water allocation is achieved by obtaining a change certificate on application to the chief executive. This certificate can then be lodged with the registrar, who will record the change.

A change may also involve the subdivision of a water allocation. This would typically occur to allow one of the new water allocations resulting from a subdivision to be moved to a new location. A subdivision of a water allocation is achieved by obtaining a certificate approving the subdivision on application to the chief executive. This certificate, together with a change certificate about the change in location, can then be lodged with the registrar, who will record the change. Conversely, two or more water allocations could be changed by amalgamation into a single allocation.

To sell a water allocation to, for example, a downstream buyer, a vendor may need to apply to change the location of the water allocation to reflect the new downstream location. A change certificate and transfer document, to transfer the allocation to the new owner, can then be lodged with the registrar who will record the change and transfer.

For water allocations supplied from a channel system, the location of the water allocation is specified as the zone on the river from which the water supply is diverted into the channel system. A person on a channel system could transfer an allocation to anyone on another part of the channel system or to anyone on the river within the

same zone as the channel supply is sourced without applying for a location change.

For water allocations managed under a ROL (e.g. a water allocation managed by SunWater in the Bundaberg Water Supply Scheme), the registrar will not record a transfer of ownership of the water allocation or a change to the water allocation unless a supply contract has been entered into between the new allocation holder and the holder of the ROL.

Water allocation change rules

Water allocation change rules for the water supply schemes are set out in the following attachments:

- Bundaberg Water Supply Scheme – Attachment 4.1H;
- Upper Burnett Water Supply Scheme – Attachment 4.2H;
- Barker Barambah Water Supply Scheme – Attachment 4.3H; and
- Boyne River and Tarong Water Supply Scheme – Attachment 4.4H.

They describe the changes that are permitted and those that are prohibited.

The permitted changes have been pre-tested and are known to have acceptable impacts. A water allocation holder may apply for a change in accordance with the permitted changes. The chief executive must approve an application for such a change and issue a certificate fully specifying the approved change.

Other changes to water allocations – s.130 of the Water Act

If a water allocation holder's proposed change was not covered by the rules specified in either Attachment 4.1H, 4.2H, 4.3H or 4.4H – that is, if it were neither expressly permitted nor expressly prohibited – then the holder would be able to apply to change the water allocation under s.130 of the Water Act.

Notice of the application, inviting public submissions and detailing where it could be inspected, would be published in local newspapers. The chief executive would then determine whether the application should be approved, having regard to its potential impact on interests including those of other entitlement holders and of natural ecosystems. On approving the application, the chief executive would issue a change certificate for lodgement with the registrar of water allocations. If the chief executive refuses the application, the applicant can appeal to the Land Court.

Chapter

5

Unsupplemented surface water management

Overview

Unsupplemented water is water that is not supplied by a water supply scheme. This chapter deals with unsupplemented water management within the project areas defined below including the conversion of some existing authorisations to water allocations.

Unsupplemented water management will continue to be the responsibility of NRW.

Supplemented water management within a water supply scheme in the project areas defined in Chapter 2 is the responsibility of a ROL holder, which is covered in Chapter 4.

Unsupplemented surface water management

Water management areas are those areas where unsupplemented water management arrangements will apply in this ROP. Because unsupplemented water management within water supply scheme areas applies to water harvesting operations, there is an overlap of water management areas and water supply schemes. Unsupplemented water management arrangements are detailed in the ROP for each of the following water management areas.

The approximate extent of the water management areas is shown in Map C.

Over time, future amendments to the ROP will progressively extend the unsupplemented water management arrangements to other parts of the Burnett Basin.

Lower Burnett and Kolan Rivers Water Management Area

The Burnett River from the confluence of St Agnes Creek downstream to Ben Anderson Barrage on the Burnett River, the Kolan River from the impoundment area of Fred Haigh Dam at full supply level (AMTD 116) downstream to the Kolan River Barrage, including locations directly benefited by flow or pondage from these river reaches.

For unsupplemented water management, this area is the Lower Burnett and Kolan Rivers Water Management Area.

Upper Burnett and Nogo Rivers Water Management Area

The Burnett River from the impoundment area of John Goleby Weir at full supply level (AMTD 333.9) downstream to the Burnett River confluence with St Agnes Creek, and the Nogo River from the impoundment area of Wuruma Dam at full supply level (AMTD 44.5) to its confluence with the Burnett River including locations directly benefited by flow or pondage from these river reaches.

For unsupplemented water management, this area is the Upper Burnett and Nogo Rivers Water Management Area.

Barker Barambah Creeks Water Management Area

Barker Creek from the impoundment area of Bjelke-Petersen Dam to the junction with Barambah Creek and Barambah Creek from AMTD 189.5 to AMTD 85, including locations directly benefited by flow or pondage from these stream reaches.

For unsupplemented water management, this area is the Barker Barambah Creeks Water Management Area.

Boyne and Stuart Rivers Water Management Area

The Boyne River from AMTD 181.8 downstream to the confluence with the Burnett River, the Stuart River from AMTD 155.7 downstream to the confluence with the Boyne River, Reedy Creek from AMTD 0.2 downstream to the confluence with the Stuart River, and Flagstone Creek from AMTD 0.9 downstream to the confluence with the Stuart River, including locations directly benefited by flow or pondage from these stream reaches.

For unsupplemented water management, this area is the Boyne and Stuart Rivers Water Management Area.

Location

The zones described for the Lower Burnett and Kolan Rivers Water Management Area, the Upper Burnett and Nogo Rivers Water Management Area, the Barker Barambah Creeks Water Management Area, and the Boyne and Stuart Rivers Water Management Area are detailed in Attachment 2.2.

Purpose

The purpose for which water may be taken under a water allocation is specified as 'agriculture' or 'any'. 'Any' is the nominated purpose for all uses of water, including agriculture. 'Agriculture' is the nominated purpose for those existing authorisations that are primarily used for agricultural purposes.

Water allocations

Unsupplemented water allocations are described in terms of volume, location, the purpose for which water is used, the maximum rate for taking water and the water allocation groups (flow conditions under which it may be taken).

Water allocations are tradeable separately from the title to land within defined limits and rules in the ROP.

The volume specification for unsupplemented water allocations is a volumetric limit and a nominal volume.

The volumetric limit is a volume shown on the water allocation that is used to calculate the maximum volume of water, in megalitres, that may be taken under the water allocation in the water year.

The nominal volume has been determined from the long-term average amount of water estimated to be taken annually. The nominal volume represents the long-term average amount of water entitled to be taken under the water allocation which establishes a uniform measure for all unsupplemented water entitlements throughout the basin. The nominal volume is also relevant in relation to the basis on which a reconfiguration of a water allocation is permitted.

The nominal volume does not affect how much water can actually be taken within a particular water year or flow event. The amount of water taken is dependent on the flow conditions and rate for taking water stated for the water allocation, the operating rules in the ROP and the availability of water in the locality at the time, subject to not exceeding the volumetric limit for the water allocation.

Authorisations outside the water management areas

Water entitlements outside the specified water management areas continue to have effect under their existing terms and conditions unless otherwise amended through a change to the ROP, or for consistency with the WRP, or as a consequence of other routine actions under the Water Act.

Irrigation area-based licences and water harvesting licences on unsupplemented streams that are not within a water management area are not being converted to water allocations.

WASOs in water management areas

The WASOs for water allocations that have been converted from unsupplemented authorisations are specified in the WRP.

Operating and environmental management rules in water management areas

The operating rules for unsupplemented water including the arrangements under which water may be taken and the strategies for meeting environmental flow requirements are given for each water management area. The specification of volumetric limits and flow thresholds are examples of these strategies.

A seasonal water assignment occurs when the holder of a water allocation assigns to another person, for a water year, the benefit of all or part of the water associated with the allocation. Rules for seasonal water assignment are detailed for each water management area.

Water allocation change rules in water management areas

Water allocations may be permanently changed subject to the rules given in Attachments 5.1D, 5.2D, 5.3D and 5.4D. A change to an unsupplemented water allocation may involve a reconfiguration of one or more of:

- the nominal volume;
- the volumetric limit;
- the location from which water may be taken;
- the purpose for which water may be taken;
- any conditions required by the chief executive to be entered on the water allocations register under s.127(1)(e) of the Water Act;
- the maximum rate at which water may be taken; or
- the water allocation group (flow conditions under which water may be taken).

Changes to a water allocation that are not permitted are covered in Section 2 of Attachments 5.1D, 5.2D, 5.3D and 5.4D.

If a water allocation holder's proposed change were not covered by the rules specified in the ROP – that is, if it were neither expressly permitted nor expressly prohibited – then the holder would be able to apply to change the water allocation under s.130 of the Water Act.

5.1 Lower Burnett and Kolan Rivers Water Management Area

Overview

This section specifies unsupplemented water management arrangements for the Lower Burnett and Kolan Rivers Water Management Area, which extends from the confluence of St Agnes Creek downstream to Ben Anderson Barrage on the Burnett River and from the impoundment area of Fred Haigh Dam at full supply level (AMTD 116) downstream to the Kolan River Barrage on the Kolan River, including locations directly benefited by flow or pondage from these river reaches.

This overview highlights some key aspects of the ROP relating to unsupplemented water management in the Burnett and Kolan Rivers within this water management area and the details of the rules that follow.

5.1.1 Extent of the Lower Burnett and Kolan Rivers Water Management Area

The extent of the Lower Burnett and Kolan Rivers Water Management Area as shown on Map C is:

- the Burnett River from the confluence of St Agnes Creek (AMTD 97.9) downstream to Ben Anderson Barrage (AMTD 25.9), including locations directly benefited by flow or pondage from these river reaches; and
- the Kolan River from the impoundment area of Fred Haigh Dam (AMTD 116) downstream to the Kolan River Barrage (AMTD 14.7), including locations directly benefited by flow or pondage from these river reaches.

5.1.2 Subcatchment areas

The Lower Burnett and Kolan Rivers Water Management Area contain two WRP subcatchment areas, 'A' and 'C'.

The subcatchment areas as shown on Map D are:

- **Subcatchment ‘A’** – from AMTD 0 at the mouth of the Kolan River to the source of the Kolan River, excluding the catchment area of Gin Gin Creek; and
- **Subcatchment ‘C’** – from AMTD 0 at the mouth of the Burnett River to the confluence of St Agnes Creek and the Burnett River at AMTD 97.9 approximately.

The WASOs for water harvesting in these subcatchment areas are specified in Schedule 6, Part 2 of the WRP.

5.1.3 Reserved for future amendments

5.1.4 Operating rules

Water harvesting operating rules for water allocations located in the Lower Burnett and Kolan Rivers Water Management Area are given in Attachment 5.1C.

5.1.5 Water allocation change rules

Water allocation change rules are detailed in Attachment 5.1D.

5.1.6 Water allocation zones

Water allocation zones for the Lower Burnett and Kolan Rivers project area are specified in Attachment 2.2, Table 1.

5.1.7 Water allocation groups

The groups for unsupplemented water harvesting water allocations for the Lower Burnett and Kolan Rivers Water Management Area are detailed in Table 1.

Table 1: Water allocation groups

WRP Subcatchment	Water Allocation Groups	Flow Condition	Zone
A	Class 1A	Flow condition: Start when 2 000 ML/day passing Kolan River Barrage, cease when less than 1 000 ML/day passing Kolan River Barrage.	Kolan AA, Kolan AB, Kolan AC, Kolan AD
	Class 2A	Flow condition: Start when 3 000 ML/day passing Kolan River Barrage, cease when less than 1 000 ML/day passing Kolan River Barrage.	
C	Class 3C	Flow condition: Start when 3 000 ML/day passing Ned Churchward Weir, cease when less than 1 200 ML/day passing Ben Anderson Barrage.	Burnett CA, Burnett CB
	Class 4C	Flow condition: Start when 1 200 ML/day passing Ned Churchward Weir, cease when less than 1 200 ML/day passing Ben Anderson Barrage.	
	Class 5C	Flow condition: Start when 86.4 ML/day passing Ben Anderson Barrage.	

5.2 Upper Burnett and Nogo Rivers Water Management Area

Overview

This section specifies unsupplemented water management arrangements for the Upper Burnett and Nogo Rivers Water Management Area, which extends from the impoundment area of John Goleby Weir at full supply level (AMTD 333.9) on the Burnett River downstream to the Burnett River confluence with St Agnes Creek, and the Nogo River from the impoundment area of Wuruma Dam at full supply level (AMTD 44.5) to its confluence with

the Burnett River including locations directly benefited by flow or pondage from these river reaches.

This overview highlights some key aspects of the ROP relating to unsupplemented water management in the Burnett and Nogo Rivers within this water management area and the details of the rules that follow.

5.2.1 Extent of the Upper Burnett and Nogo Rivers Water Management Area

The extent of the Upper Burnett and Nogo Rivers Water Management Area as shown on Map C is:

- the Burnett River from AMTD 333.9 downstream to the confluence of St Agnes Creek (AMTD 97.9), including locations directly benefited by flow or pondage from these river reaches; and
- the Nogo River from AMTD 44.5 to the confluence with the Burnett River (AMTD 311.8), including locations directly benefited by flow or pondage from these river reaches.

5.2.2 Subcatchment areas

The Upper Burnett and Nogo Rivers Water Management Area includes parts of six WRP subcatchment areas.

The subcatchment areas as shown on Map D are:

- **Subcatchment 'G'** – from the confluence of the Burnett River with St Agnes Creek at AMTD 97.9 to the confluence of Barambah Creek with the Burnett River at AMTD 187.4;
- **Subcatchment 'M'** – from the source of the Auburn River to its confluence with the Burnett River at AMTD 251.8 approximately;
- **Subcatchment 'N'** – from Barambah Creek confluence with the Burnett River at AMTD 187.4 approximately to Jones Weir at AMTD 240.1 on the Burnett River at Mundubbera;
- **Subcatchment 'O'** – from Jones Weir at AMTD 240.1 on the Burnett River at Mundubbera to GS 136103B on the Burnett River at Ceratodus at AMTD 321.1 approximately;
- **Subcatchment 'P'** – from the source of the Burnett River to GS 136103B located at Ceratodus at AMTD 321.1 approximately; and
- **Subcatchment 'S'** – from the source of the Nogo River to its confluence with

the Burnett River at AMTD 311.8 approximately.

The WASOs for water harvesting in these subcatchment areas are specified in Schedule 6, Part 2 of the WRP.

5.2.3 Reserved for future amendments

5.2.4 Operating rules

Water harvesting operating rules for water allocations located in the Upper Burnett and Nogo Rivers Water Management Area are given in Attachment 5.2C.

5.2.5 Water allocation change rules

Water allocation change rules are detailed in Attachment 5.2D.

5.2.6 Water allocation zones

Water allocation zones for the Upper Burnett and Nogo Rivers project area are specified in Attachment 2.2, Table 1.

5.2.7 Water allocation groups

The water allocation groups for unsupplemented water harvesting for the Upper Burnett and Nogo Rivers Water Management Area are detailed in Table 2.

Table 2: Water allocation groups

WRP Subcatchment	Water Allocation Groups	Flow Condition	Zone
G	Class 7G	2 000 ML/day passing flow at Jones Weir	Burnett GA, Burnett GB
	Class 8G	2 000 ML/day passing flow at Mt Lawless Gauging Station	
	Class 9G	864 ML/day passing flow at Mt Lawless Gauging Station	
	Class 14G	1 037 ML/day passing flow at Mt Lawless Gauging Station	
M	Class 6M	1 037 ML/day passing flow at Jones Weir	Auburn MA
N	Class 6N	1 037 ML/day passing flow at Jones Weir	Burnett NA, Burnett NB, Burnett NC
	Class 7N	2 000 ML/day passing flow at Jones Weir	
	Class 8N	2 000 ML/day passing flow at Mt Lawless Gauging Station	
	Class 12N	1 037 ML/day passing flow at Claude Wharton Weir	
	Class 13N	2 000 ML/day passing flow at Claude Wharton Weir	
O	Class 6O	1 037 ML/day passing flow at Jones Weir	Burnett OA, Burnett OB, Burnett OC, Burnett OD
	Class 7O	2 000 ML/day passing flow at Jones Weir	
	Class 10O	432 ML/day passing flow at GS 136103B (Ceratodus)	

P	Class 10P	432 ML/day passing flow at GS 136103B (Ceratodus)	Burnett PA
	Class 11P	2 592 ML/day passing flow at GS 136103B (Ceratodus)	

5.3 Barker Barambah Creeks Water Management Area

Overview

This section specifies unsupplemented water management arrangements for the Barker Barambah Creeks Water Management Area. This extends from the impoundment area of Bjelke-Petersen Dam at full supply level on Barker Creek downstream to the Barambah Creek junction, and Barambah Creek from AMTD 189.5 to AMTD 85. Locations directly benefited by flow or pondage from these stream reaches are included.

The Water Management Area is the same geographical area as the Barker Barambah Water Supply Scheme, but these unsupplemented water management arrangements refer to the taking of water under stipulated stream flow conditions (water harvesting) within the bounds of the Barker Barambah Water Supply Scheme.

This overview highlights some key aspects of the ROP relating to unsupplemented water management in the Barker and Barambah Creeks within this water management area and the details of the rules that follow.

5.3.1 Extent of the Barker Barambah Creeks Water Management Area

The extent of the Barker Barambah Creeks Water Management Area as shown on Map C is:

- Barker Creek from AMTD 38.2 downstream to the confluence with Barambah Creek, including locations directly benefited by flow or pondage from these stream reaches; and
- Barambah Creek from AMTD 189.5 downstream to AMTD 85 including locations directly benefited by flow or pondage from these stream reaches.

5.3.2 Subcatchment areas

The Barker Barambah Creeks Water Management Area includes parts of two WRP subcatchment areas.

The subcatchment areas as shown on Map D are:

- **Subcatchment 'H'** – Barambah Creek from the confluence of Barambah Creek with the Burnett River upstream to AMTD 171.8 (Joe Sippel Weir);
- **Subcatchment 'J'** – from the source of Barker Creek to its confluence with Barambah Creek and Barambah Creek from AMTD 171.8 (Joe Sippel Weir) to its source.

The WASOs for water harvesting in these subcatchment areas are specified in Schedule 6, Part 2 of the WRP.

5.3.3 Reserved for future amendments

5.3.4 Operating rules

Water harvesting operating rules for water allocations located in the Barker Barambah Creeks Water Management Area are given in Attachment 5.3C.

5.3.5 Water allocation change rules

Water allocation change rules are detailed in Attachment 5.3D.

5.3.6 Water allocation zones

Water allocation zones for the Barker and Barambah Creeks project area are specified in Attachment 2.2, Table 1.

5.3.7 Water allocation groups

The water allocation groups for unsupplemented water harvesting for the Barker Barambah Creeks Water Management Area are detailed in Table 3.

Table 3: Water allocation groups

WRP Subcatchment	Water Allocation Groups	Flow Condition	Zone
H	Class 1H	Start 875 ML/day at Silverleaf Weir Gauging Station. Cease 200 ML/day at Ficks Crossing Gauging Station or its replacement.	Barker Barambah HJ, HK, HL
	Class 2H	Start 950 ML/day at Ficks Crossing Gauging Station or its replacement. Cease 432 ML/day at Ficks Crossing Gauging Station or its replacement.	
	Class 3H	Start 300 ML/day at Litzows Gauging Station and 1 400 ML/day at Ficks Crossing Gauging Station or its replacement. Cease 432 ML/day at Ficks Crossing Gauging Station or its replacement.	
J	Class 1J	Start 500 ML/day at Litzows Gauging Station. Cease 432 ML/day at Ficks Crossing Gauging Station or its replacement.	Barker Barambah JC, JD
	Class 2J	300 ML/day at Glenmore Gauging Station and Bjelke-Petersen Dam is overflowing.	

5.4 Boyne and Stuart Rivers Water Management Area

Overview

This section specifies unsupplemented water management arrangements for the Boyne and Stuart Rivers Water Management Area which extends from:

- AMTD 181.8 on the Boyne River downstream to the confluence with the Burnett River;
- AMTD 155.7 on the Stuart River downstream to the confluence with the Boyne River;
- AMTD 0.2 on Reedy Creek downstream to the confluence with the Stuart River; and
- AMTD 0.9 on Flagstone Creek downstream to the confluence with the Stuart River, including locations directly benefited by flow or pondage from these stream reaches.

This overview highlights some key aspects of the ROP relating to unsupplemented water management in this water management area and the details of the rules that follow.

Conversion of unsupplemented authorisations to water allocations

Existing unsupplemented water entitlements within the Boyne and Stuart Rivers Water Management Area were converted to water allocations in the November 2007 ROP.

Water allocation groups are specified for these allocations. Where flow conditions are attached to existing entitlements, these have been amended to reflect actual operation of the system to manage flows and entitlements throughout the management area without impacting on supplemented water. The maximum rate for taking water has been set at the maximum value for the authorised pump size as tabulated in Schedule 7 of the WRP.

All pumps taking unsupplemented water in the Water Management Area will require or continue to require metering of water use.

5.4.1 Extent of the Boyne and Stuart Rivers Water Management Area

The extent of the Boyne and Stuart Rivers Water Management Area as shown on Map C is:

- The Boyne River from AMTD 181.8 downstream to the confluence with the Burnett River, including locations directly benefited by flow or pondage from these stream reaches;
- The Stuart River from AMTD 155.7 downstream to the confluence with the Boyne River, including locations directly benefited by flow or pondage from these stream reaches;
- Reedy Creek from AMTD 0.2 downstream to the confluence with the Stuart River and;
- Flagstone Creek from AMTD 0.9 downstream to the confluence with the Stuart River.

5.4.2 Subcatchment areas

The Boyne and Stuart Rivers Water Management Area includes parts of two WRP subcatchment areas.

The subcatchment areas as shown on Map D are:

- **Subcatchment 'K'** – from the source of the Stuart River to its confluence with the Boyne River and the Boyne River from its source to AMTD 86.7 (Boondooma Dam);
- **Subcatchment 'L'** – the Boyne River from AMTD 86.7 (Boondooma Dam) to its confluence with the Burnett River.

The WASOs for water entitlements being converted in these subcatchment areas are specified in Schedule 6, Part 2 of the WRP.

5.4.3 Reserved for future amendments

5.4.4 Operating rules

Operating rules for water allocations located in the Boyne and Stuart Rivers Water Management Area are given in Attachment 5.4C.

5.4.5 Water allocation change rules

Water allocation change rules are detailed in Attachment 5.4D.

5.4.6 Water allocation zones

Water allocation zones for the Boyne and Stuart Rivers project areas are specified in Attachment 2.2, Table 1.

5.4.7 Water allocation groups

The water allocation groups for unsupplemented allocations within the Boyne and Stuart Rivers Water Management Area are detailed in Table 4.

Table 4 Water allocation groups

WRP Subcatchment	Water Allocation Groups	Flow Condition	Zone
K	Class 1K	There is no flow threshold.	Boyne and Stuart KA, KB, KC, KD & KE
	Class 2K	The taking of water under the authority of this water allocation must be limited by a device approved by the chief executive that prevents the taking of this water allocation from Stuart River unless a flow of greater than 0.250 m ³ /s is flowing over the spillway of Gordonbrook Dam..	
	Class 3K	1.16 m ³ /s passing Carter's Gauging Station.	
	Class 4K	The taking of water under the authority of this water allocation must be limited by a device approved by the chief executive that prevents the taking of this water allocation from Stuart River unless a flow of greater than 1 m ³ /s is passing the point of take.	
	Class 5K	When the water level falls more than 1.5 m below the spillway level of Gordonbrook Dam, the taking of this water allocation is only to be carried out between 8 am and 12 noon on any day; and when the water level falls more than 2.4 m below the spillway level, the taking of this water allocation is prohibited.	
	Class 6K	The taking of water under the authority of this water allocation must be limited by a device approved by the chief executive that prevents the taking of this water allocation from the Stuart River unless a flow condition of greater than 0.074 m ³ /s is passing the point of take.	
	Class 7K	There is no flow threshold.	
WRP Subcatchment	Water Allocation Groups	Flow Condition	Zone

L	Class 1L	Start when 345 ML/day passing Derra Gauging Station. Cease when less than 86.4 ML/day passing Derra Gauging Station.	Boyne LA
	Class 2L	Start when 700 ML/day passing Derra Gauging Station. Cease when 345 ML/day passing Derra Gauging Station.	
	Class 3L	2 400 ML/day passing Derra Gauging Station.	
	Class 4L	Boondooma Dam must be overflowing.	

Chapter

Groundwater management

5A

5A.1 Coastal Burnett Groundwater Management Area

5A.1.1 Water allocations

5A.1.1.1 Rules for converting existing water licences to water allocations

This section applies to all water licences to take groundwater in sub-areas Kolan-Burnett A, Burnett-Elliott A, Elliott-Gregory A and Fairymead A of the Coastal Burnett GMA, except for:

- Water licences issued for the purpose of agricultural dewatering including water licences 65746B and 41640B1;
- Water licences with the purpose of 'mining' or 'mining and dewatering', including water licences 95775B, 95776B, 95778B and 95772B;
- Water licences that do not have a volumetric limit associated with them, including water licences 95654B and 95634B;
- Water licence 40636B.

Water licences 174087, 172431, 176106, 172063, 174635 and 179270 are regarded as having extractions from two groundwater units associated with them. Each of these licences is to be converted to two separate water allocations as follows:

- the person granted the water allocations must be the person who holds the existing water authorisation from which the water allocations are converted;
- each water allocation must state a different location that reflects one of the places and groundwater units from which water has historically been extracted;
- the purpose for the water allocations must be 'any';
- the water allocation group (WAG) for each water allocation must be determined in accordance with Table 1 and reflect the sub-area associated with the location on the water allocation;
- the sum of the volumetric limits for the water allocations must equal the volume stated on the existing water authorisation from which they are converted;
- the volumetric limit stated on each water allocation must be in proportion to the volume of water historically extracted from each groundwater unit under the existing water authorisation;
- the nominal volume for each water allocation must be determined using equation 1.

All other water licences must be converted to water allocations as follows:

- the person granted the water allocation must be the person who holds the existing water authorisation from which the water allocation is converted;
- the location for the water allocation must be the zone that includes the place and groundwater unit from which the water may be taken under the existing water authorisation;
- the purpose for the water allocation must be 'any';

- the water allocation group for a water allocation must be determined in accordance with Table 1;
- the volumetric limit for the water allocation will be the same volume as that stated on the existing water authorisation;
- the nominal volume for a water allocation with a water allocation group of CB-KBA-A, CB-BEA-A or CB-FMA-A will be the same volume as that stated on the existing water authorisation;
- the nominal volume for a water allocation with a water allocation group of CB-KBA-B, CB-BEA-B, CB-EGA-B or CB-FMA-B must be determined using equation 1.

Equation 1

$$NV_{\text{alloc}} = (MAD_{ZG}/AVL_{ZG}) * VL_{\text{ewa}}$$

Where:

NV_{alloc} = Nominal Volume for the water allocation¹

MAD_{ZG} = Zone group mean annual diversion for standard access water allocations

AVL_{ZG} = Zone group annual volumetric limit for standard access water allocations

VL_{ewa} = the volumetric limit for the existing water authorisation

¹ Nominal volumes are rounded to the nearest 1 ML.

In this section:

Zone group annual volumetric limit is the sum of the volumetric limits for particular authorisations, in a given zone group.

Zone group mean annual diversion is the total volume of water simulated in the Coastal Burnett GMA model base case to have been taken, under particular authorisations in a given zone group, for the whole simulation period divided by the number of years in the simulation period.

Table 1 Water allocation groups for Coastal Burnett GMA

Sub-area	Existing water authorisation purpose	Water allocation group	Access type
Kolan Burnett A	'Urban' or 'Town Water Supply'	CB-KBA-A	Preferential
	All other purposes	CB-KBA-B	Standard
Burnett Elliott A	'Urban' or 'Town Water Supply'	CB-BEA-A	Preferential
	All other purposes	CB-BEA-B	Standard
Elliott Gregory A	All purposes	CB-EGA-B	Standard
Fairymead A	'Urban' or 'Town Water Supply'	CB-FMA-A	Preferential
	All other purposes	CB-FMA-B	Standard

5A.1.1.2 Granting of water allocations

The chief executive must grant water allocations in accordance with Attachment 6.1A.

5A.1.1.3 Water sharing rules

The water sharing rules, including announced entitlement and seasonal water assignment rules, for water allocations are outlined in Attachment 6.1B.

5A.1.1.4 Environmental management rules

The rules in Attachment 6.1B, sections 3.1.3, 4 and 5 are the environmental management rules for the Coastal Burnett GMA.

5A.1.1.5 Dealing with water allocations

The rules for dealing with water allocations, including water allocation change rules, are outlined in Attachment 6.1C.

5A.1.2 Water licences

5A.1.2.1 Granting water licences

Within 120 business days of the commencement of this plan, the chief executive, in accordance with s.212 of the *Water Act 2000*, must grant each water licence in accordance with Attachment 6.2A, to replace authorisations under s.30C of the Water Resource (Burnett Basin) Plan 2000.

5A.1.2.2 Water sharing rules

The water sharing rules, including announced entitlement and seasonal water assignment rules, for water licences are outlined in Attachment 6.2B.

5A.1.3 Agricultural dewatering licences

5A.1.3.1 Granting agricultural dewatering licences

This section grants water licences, to replace part of an existing water entitlement that authorised agricultural dewatering activities.

Within 120 business days of the commencement of this plan, the chief executive, in accordance with s.212 of the *Water Act 2000*, must grant each water licence in accordance with Attachment 6.3A, Table 1 and include the conditions in Chapter 5A, section 5A.1.3.4.

5A.1.3.2 Amending existing dewatering licences

This section applies to water licences issued for the purpose of agricultural dewatering, including licences 65746B and 41640B1.

Within 120 business days of the commencement of this plan, the chief executive, in accordance with s.217 of the *Water Act 2000*, must amend each water licence in accordance with Attachment 6.3A, Table 2 and include the conditions in Chapter 5A,

section 5A.1.3.4.

5A.1.3.3 Accounting for water taken under agricultural dewatering licences

Water taken under the authority of an agricultural dewatering licence will not be debited against a water account.

5A.1.3.4 Conditions to be stated on granted and amended agricultural dewatering licences

1. Water may be taken under the authority of this licence only:
 - a) through the authorised dewatering bore(s); and
 - b) during a dewatering event for the authorised dewatering bore(s); and
 - c) if the corresponding decision piezometer(s) is installed and operational; and
 - d) when the water level in an installed and operational corresponding decision piezometer(s) is within 0.75 metres of the natural surface of the land.
2. A dewatering event for an authorised dewatering bore commences:
 - a) when the water level in a corresponding decision piezometer is within 0.75 metres of the natural surface of the land; and
 - b) the licensee has notified the chief executive, on the approved form, of the licensee's intention to commence taking water under this authority.
3. A dewatering event for an authorised dewatering bore concludes when:
 - a) the water level in each of the corresponding decision piezometer(s) is at or below 0.75 metres of the natural surface of the land for 48 consecutive hours; or
 - b) the licensee has notified the chief executive, on the approved form, of the licensee's intention to cease taking water under a given dewatering event.
4. For each dewatering event the licensee must record, on the approved form, meter readings and readings from each corresponding decision piezometer(s):
 - a) at the commencement of a dewatering event; and
 - b) daily, during a dewatering event; and
 - c) at the conclusion of a dewatering event.
5. For each dewatering event the licensee must submit to the chief executive on the approved form, the readings recorded under condition 4:
 - a) at intervals not exceeding 14 days; and
 - b) within five business days of the conclusion of a dewatering event.
6. A corresponding decision piezometer must be constructed, operated and maintained in accordance with the department's agricultural dewatering pumping trial guidelines.
7. The chief executive may amend condition 8 of this licence under s.219 of the *Water Act 2000* to include authorised dewatering bores and corresponding decision piezometer(s), if the chief executive is satisfied:
 - a) the land to which the application relates is used for agricultural purposes; and
 - b) high water levels are impacting on existing agricultural activities on the land

to which the application relates; and
c) the licensee has demonstrated the effectiveness of dewatering in accordance with the department's agricultural dewatering pumping trial guidelines.

8. The following are the authorised dewatering bores and corresponding decision piezometer(s) for this licence:

(insert relevant piezometer(s) details)

Chapter

6

Granting and amending water allocations, licences and resource operations licences

Overview

This chapter provides for the grant or amendment of water entitlements, and Resource Operations Licences (ROL) in the Burnett ROP area. In particular it provides:

- for water licences to be granted to particular groups of water users, who make application under s.206 of the Water Act (Section 6.1);
- the process for dealing with existing water licence applications in the project areas not provided for in Section 6.1 (Section 6.3);
- a process for granting water allocations for the water reserved under Chapter 7;
- the process for granting or amending a ROL for the proposed Barlil Weir (Section 6.4); and
- provides a process for amending water allocations.

A brief explanation of these grants is outlined below.

Granting of water licences to particular groups of water users

Applications may be lodged under s.206 of the Water Act for a water licence to take water. If an application for a water licence to take water under s.206 of the Water Act does not fall within one of the categories of application covered by Sections 6.1.2 to 6.1.4 of the ROP, the chief executive will refuse the application.

Holders of a mining tenure (e.g. a mineral development licence or mining lease) may apply under s.206 of the Water Act for a water licence to take water. Section 6.1.2 sets out how these applications will be decided. Any water licence issued will be limited to the taking of water where essential for mine site water management, to achieve improved environmental outcomes associated with mining operations. For example, on older mine sites, on-site water management practices may have led to poor quality water entering watercourses. A water licence could permit that water to be taken from the watercourse and suitably treated. A water licence could also be required if a watercourse is to be used to temporarily store and move water about within a mine site.

Local Governments may apply under s.206 of the Water Act for a water licence to take water. Section 6.1.3 sets out how these applications will be decided. Any water licence issued will be limited to taking of water for the construction and maintenance of public assets, such as roads and bridges. Current management arrangements require Local Governments to apply for a water permit to access small volumes of water for routine construction and maintenance purposes. The proposed arrangement will allow councils to access unsupplemented water for these routine matters under a water licence, reducing the administrative requirement on Local Governments.

Proponents for new developments of significant economic importance to the State (such as mines) may apply under s.206 of the Water Act for a water licence to take water for that development if no unallocated water is being made available in the locality of the development (see Section 6.1.4). Applications will be refused where there are reasonable alternative means of obtaining a water supply such as through tradeable water allocations, or from other sources (e.g. from bores in areas where that resource is available). The water granted under Section 6.1.4 will be limited to a total volume of 1 000 ML throughout the plan area.

Grant of water allocations associated with Avondale Water Board

The Water Resources (Avondale Water Supply Area and Water Board) Regulation 1996 established an irrigation development on the north side of the Kolan River at Avondale and rules by which the Board operates.

The Water Resources (Avondale Water Supply Area and Water Board) Regulation was repealed as a result of the proclamation of the Water Act. The existing authorisations are to remain in force until replaced by water allocations through an amendment to the ROP in the future. The granting of allocations associated with the board will be in accordance with the Water Act.

Existing applications for water licences

All existing applications in the project areas to take water under s.206 of the Water Act that do not fall within one of the categories of application covered by Sections 6.1.2 to 6.1.4 of the ROP will be refused.

Granting or amending a ROL for the proposed Barlil Weir

Section 6.4 sets out a process under s.108 of the Water Act, for the proponent (Burnett Water Pty Ltd) or another entity approved by the Minister responsible for administering the State Development and Public Works Organisation Act 1971 as the proponent for the proposed Barlil Weir to obtain a ROL for Barlil Weir.

The proponent must obtain the relevant ROL prior to construction of Barlil Weir.

Section 6.4 also sets out a process for s.111A of the Water Act for any ROL for Barlil Weir to be amended by the chief executive.

Grant of licence to interfere

Under s.1037A of the Water Act the chief executive granted licence number 406914 to South Burnett Regional Council for infrastructure associated with an authorisation to take water previously held by Kingaroy Shire Council. This completes the provisions under s6.2 of the November 2007 ROP.

6.1 Subsection number not used

6.2 Dealing with water licence applications to take groundwater in the Coastal Burnett GMA

This section applies to an application for a water licence to take groundwater in the Coastal Burnett GMA.

6.2.1 Particular applications to be refused

The application must be refused if granting the application would have one or more of the following effects on groundwater in the Coastal Burnett GMA:

- increase the amount of water that may be taken;
- change the location from which water may be taken if the change would result in water being taken from another zone;
- change the conditions under which the water may be taken.

This section applies even if the application was made before the commencement of this plan.

This section does not apply to an application:

- made in accordance with section 6.2.2; or
- made under the following provisions of the *Water Act 2000*—
 - a) s.221—reinstating an expired water licence;
 - b) s.224—amalgamating water licences;
 - c) s.225—subdividing a water licence; and
 - d) s.229—effect of disposal of part of land to which water licence to take water attaches.

6.2.2 Applications for agricultural dewatering in the Coastal Burnett GMA

The chief executive may grant an application for a water licence for the purpose of agricultural dewatering within the Coastal Burnett GMA if the chief executive is satisfied that:

- the land to which the application relates is used for agricultural purposes; and
- high water levels are impacting on agricultural activities on the land to which the application relates; and
- the applicant has demonstrated the effectiveness of dewatering in accordance with the department's agricultural dewatering pumping trial guidelines.

6.2.2.1 Granting agricultural dewatering licences

If the chief executive is satisfied an application should be granted, the licence:

- must state an authorised dewatering bore;
- must state the location of the corresponding decision piezometer used to demonstrate the effectiveness of dewatering from the authorised dewatering bore in accordance with the department's agricultural dewatering pumping trial guidelines;
- must only authorise the taking of water from the Coastal Burnett Unit 1;

- must include the conditions stated in 6.2.2.2; and
- is not required to state a nominal entitlement.

6.2.2.2 Conditions to be stated on agricultural dewatering licences

1. Water may be taken under the authority of this licence only:
 - a) through the authorised dewatering bore(s); and
 - b) during a dewatering event for the authorised dewatering bore(s); and
 - c) if the corresponding decision piezometer(s) is installed and operational; and
 - d) when the water level in an installed and operational corresponding decision piezometer(s) is within 0.75 metres of the natural surface of the land.
2. A dewatering event for an authorised dewatering bore commences:
 - a) when the water level in a corresponding decision piezometer is within 0.75 metres of the natural surface of the land; and
 - b) the licensee has notified the chief executive, on the approved form, of the licensee's intention to commence taking water under this authority.
3. A dewatering event for an authorised dewatering bore concludes when:
 - a) the water level in each of the corresponding decision piezometer(s) is at or below 0.75 metres of the natural surface of the land for 48 consecutive hours; or
 - b) the licensee has notified the chief executive, on the approved form of the licensee's intention to cease taking water under a given dewatering event.
4. For each dewatering event the licensee must record, on the approved form, meter readings and readings from each corresponding decision piezometer(s):
 - a) at the commencement of a dewatering event; and
 - b) daily, during a dewatering event; and
 - c) at the conclusion of a dewatering event.
5. For each dewatering event the licensee must submit to the chief executive on the approved form, the readings recorded under condition 4:
 - a) at intervals not exceeding 14 days; and
 - b) within five business days of the conclusion of a dewatering event.
6. A corresponding decision piezometer must be constructed, operated and maintained in accordance with the department's agricultural dewatering pumping trial guidelines.
7. The chief executive may amend condition 8 of this licence under s.219 of the *Water Act 2000* to include authorised dewatering bores and corresponding decision piezometer(s), if the chief executive is satisfied:
 - a) the land to which the application relates is used for agricultural purposes; and
 - b) high water levels are impacting on existing agricultural activities on the land to which the application relates; and
 - c) the licensee has demonstrated the effectiveness of dewatering in accordance with the department's agricultural dewatering pumping trial guidelines.
8. The following are the authorised dewatering bores and corresponding decision

piezometer(s) for this licence:
(insert relevant piezometer(s) details)

6.3 Process for dealing with existing applications for water licences

The chief executive must refuse all existing applications in the Lower Burnett and Kolan Rivers Water Management Area, Upper Burnett and Nogo Rivers Water Management Area, Barker Barambah Creeks Water Management Area and the Boyne and Stuart Rivers Water Management Area to take water other than in accordance with Sections 6.1.2, 6.1.3 and 6.1.4.

6.4 Process for granting or amending a ROL for the proposed Barlil Weir

A ROL for the proposed Barlil Weir must be held by an entity that is approved by the Minister responsible for administering the *State Development and Public Works Organisation Act 1971* as the proponent for the infrastructure. The approval of the Minister for State Development and Innovation is required only until the infrastructure is constructed and the associated water allocations are granted under the ROP in accordance with Section 7.1 in Chapter 7 and Section 8.1 in Chapter 8.

6.4.1 Granting a ROL

The proponent of the proposed Barlil Weir (Burnett Water Pty Ltd or another entity approved by the Minister for State Development and Innovation as the proponent for the infrastructure) may be granted a ROL for the construction of Barlil Weir (the 'infrastructure').

The proponent must make application to the chief executive for a ROL for the construction of Barlil Weir. The application must be supported by details of:

- design and construction specifications for the infrastructure;
- proposed operating arrangements for the infrastructure;
- any other information the applicant believes will be of assistance to the chief executive in deciding the application; and
- written evidence of the approval of the Minister for State Development and Innovation that the applicant is the proponent of the infrastructure.

The chief executive may request the proponent to give further information needed to grant the ROL.

Before granting the ROL, the chief executive must consider the following:

- the application and additional information given about the application;
- the views expressed at any conference held between the chief executive and the proponent;
- the public interest; and
- mechanisms for minimising impacts on existing entitlement holders during construction and before the infrastructure reaches an operational level.

If the chief executive decides to grant the ROL, the chief executive must issue the ROL in accordance with s.108 of the Water Act.

6.4.2 Amending a ROL by the chief executive

The chief executive may amend a ROL if the chief executive is satisfied the ROL should be amended under s.111A of the Water Act.

The chief executive may request the ROL holder to give further information needed to assess whether an amendment to the ROL is required.

The chief executive may invite the ROL holder to a conference to help in deciding whether an amendment is required.

In deciding whether an amendment is required, the chief executive must consider the matters as if the application were an application for a ROL with any necessary changes.

If the chief executive decides to amend the ROL, the chief executive must issue the amended ROL in accordance with s.111A of the Water Act.

6.4.3 Amending a ROL on application of the ROL holder

The ROL holder may up until the infrastructure (the subject of the ROL) is constructed and the associated water allocation is granted under the ROP in accordance with Section 7.1 in Chapter 7 and Section 8.1 in Chapter 8 apply to amend the ROL under s.111A of the Water Act.

The application to amend the ROL must be made as if it were an application for a ROL except for the requirement for written evidence of the approval of the Minister for State Development and Innovation.

In deciding the application, the chief executive must assess the application as if it were an application for a ROL, with any necessary changes.

If the chief executive decides to amend the ROL, the chief executive must issue the amended ROL in accordance with s.111A of the Water Act.

Chapter
7 **Chapter number not used**

Chapter

8

Amending the Burnett ROP

Overview

The Water Act, s.106(b) provides that amendments can be made to a resource operations plan through a simplified process, without following a public consultation process if:

- the amendment is one that would correct a minor error or make a change that is not a change of substance; or
- it is stated in the resource operations plan that an amendment of this type can be made under the simple process.

Sections 8.1 and 8.2 detail the amendments that may be made to the Burnett ROP under the simple process.

Amendments to the Burnett ROP other than those detailed in Sections 8.1 and 8.2 can be made only after completion of a full public consultation process.

Amending the ROP to allow new infrastructure

The Burnett ROP can be amended to provide for the construction and operation of specified water infrastructure within the priority areas. The infrastructure is listed in Table 1, Chapter 7. The Burnett ROP will be amended following the provision of the detailed infrastructure specifications to the satisfaction of the chief executive.

Allowing the Burnett ROP to be amended for this infrastructure will provide additional water allocation to meet the future water requirements of the basin, without endangering the WRP outcomes. This approach has been developed to provide certainty regarding the reservation associated with the proposed infrastructure while providing for some flexibility in the final infrastructure design.

Before any amendment can be made to the Burnett ROP, the chief executive must be satisfied that the amendment is consistent with the outcomes of the Burnett WRP including the specified WASOs and EFOs.

The infrastructure proponent will supply the chief executive with enough detail to be satisfied that the constructed infrastructure will meet the outcomes of the WRP.

The possible amendments to allow for new infrastructure are listed in Section 8.1.

The current version of the Burnett ROP will be available from departmental offices and the department's website at www.dnrm.qld.gov.au.

8.1 Amending the resource operations plan to allow approved infrastructure

To allow for the proposed infrastructure detailed in Chapter 7, the following amendments can be made to the ROP under s.106(b) of the Water Act:

- provide for a process for granting reserved water allocations;

- provide for a process for granting or amending a ROL;
- add or amend infrastructure details in the attachments to Chapter 4;
- add or amend operating rules for the infrastructure in the attachments to Chapter 4 including:
 - environmental management rules; and
 - water sharing rules;
- add or amend monitoring practices in the attachments to Chapter 4;
- add or amend the implementation schedule in Attachment 9.1;
- add or amend the change rules contained in the attachments to Chapters 4 and 5;
- add or amend seasonal water assignment rules contained in the attachments to Chapters 4 and 5;
- add or amend water supply scheme boundaries, subscheme boundaries and zone boundaries to accommodate approved infrastructure; and
- any consequential amendment required to provide consistency with these amendments.

The amendment to the Burnett ROP must be consistent with the Burnett WRP and will not compromise the specified WASOs and EFOs.

When amendments are made to the Burnett ROP to allow for the proposed infrastructure, the chief executive will notify as many water allocation holders within the affected water supply schemes as possible.

8.2 Other amendments that can be made to the resource operations plan

In addition, the following amendments can be made to the Burnett ROP under s.106(b) of the Water Act, subject to compliance with the Burnett WRP objectives.

An amendment necessary to implement an amendment to the Burnett WRP made under s.57(b) of the Water Act.

An amendment to replace the performance-based requirements with specific operational rules for meeting environmental management rules given in Attachments 4.1E, 4.2E, 4.3E and 4.4E.

An amendment to modify the operating and/or monitoring requirements applying to Ned Churchward Weir, to reflect the provisions of the State and Federal agreement for the construction of the weir.

An amendment that provides for improved or more efficient monitoring for assessing the WRP outcomes. Examples may include:

- increasing monitoring effort to investigate impacts of storage operation or flow management;
- changing indicators for ecological monitoring;
- increasing reporting requirements for compliance purposes; and
- a reduction or removal of monitoring requirements, if it can be shown that no further information or benefit is gained from the continuation of the monitoring requirements.

An amendment to the infrastructure details in the attachments to Chapter 4, provided the amendment is one of the following:

- an amendment to correct an error in the details shown in Attachments 4.1D, 4.2D, 4.3D or 4.4D (e.g. revision of surface area, storage volumes, spillway and/or outlet discharge relationships);
- the installation of, or modification to, a fish transfer system on any of the infrastructure detailed; and
- the installation of, or modification to, multilevel inlet works on any of the infrastructure detailed.

Add or amend:

- Table 1, Table 2, Table 3 or Table 4 in Attachment 4.1H;
- Table 1, Table 2, Table 3 or Table 4 in Attachment 4.2H;
- Table 1, Table 2, Table 3 or Table 4 in Attachment 4.3H;
- Table 1, Table 2, Table 3 or Table 4 in Attachment 4.4H;
- Table 1 in Attachment 5.1C, 5.2C or 5.3C; and
- Table 1 in Attachment 5.1D, 5.2D or 5.3D.

An amendment based on information required under Chapters 3 and 4 to be supplied by the ROL holder.

An amendment to the Burnett ROP to provide for the grant of water allocations within the Bundaberg Water Supply Scheme to Avondale Water Board ratepayers to replace entitlements originally granted under the *Water Resources (Avondale Water Supply Area and Water Board) Regulation* and the *Water Act*.

An amendment to Attachment 4.3F, Section 2.1.

An amendment to water allocation change rules to allow changes to priority group.

An amendment to include a supplemented water sharing rule designed to allow access to run of the river water without impacting upon the objectives of the Burnett WRP.

An amendment to critical water supply arrangements.

An amendment to Attachment 6.1B, Table 1 to specify alternate trigger bores, elevations or electrical conductivity trigger levels if the chief executive deems a bore mentioned in the table to no longer be suitable for the purpose of assessing or managing seawater intrusion.

8.3 Future amendments contemplated under s.105 of the Water Act

8.3.1 Boyne River catchment

Future amendments may be considered in relation to improving the performance against WASOs in the Boyne River catchment in accordance with s.39 of the Burnett

WRP.

Chapter 9 Implementation of the Resource Operations Plan

Overview

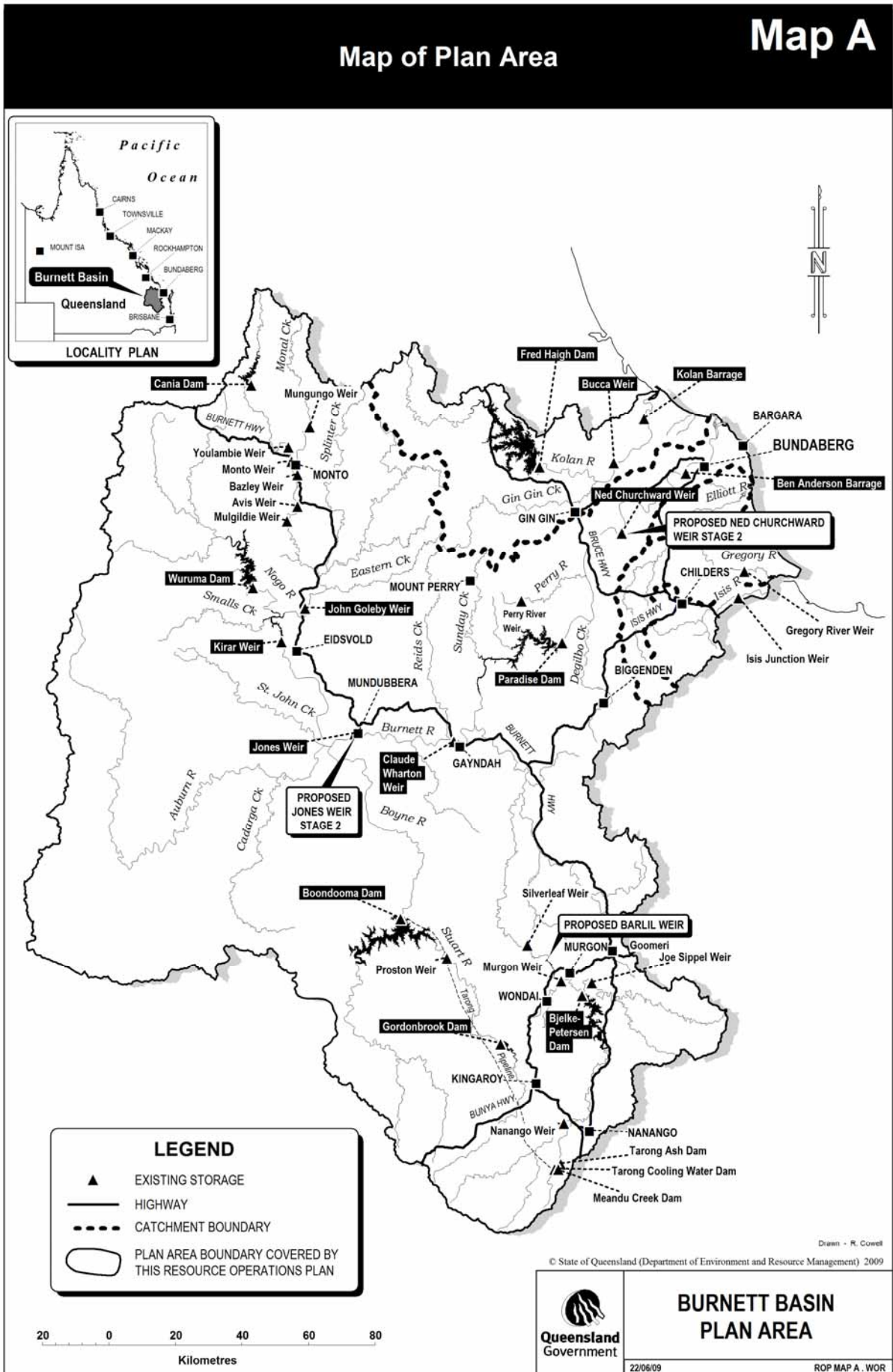
Section 98 of the Water Act provides for the Burnett ROP to include an implementation schedule setting out arrangements for progressive implementation of the requirements of the plan over a period of five years.

9.1 Implementation schedule for the resource operations plan

Details of how the Burnett ROP will be implemented are specified in the implementation schedule in Attachment 9.1.

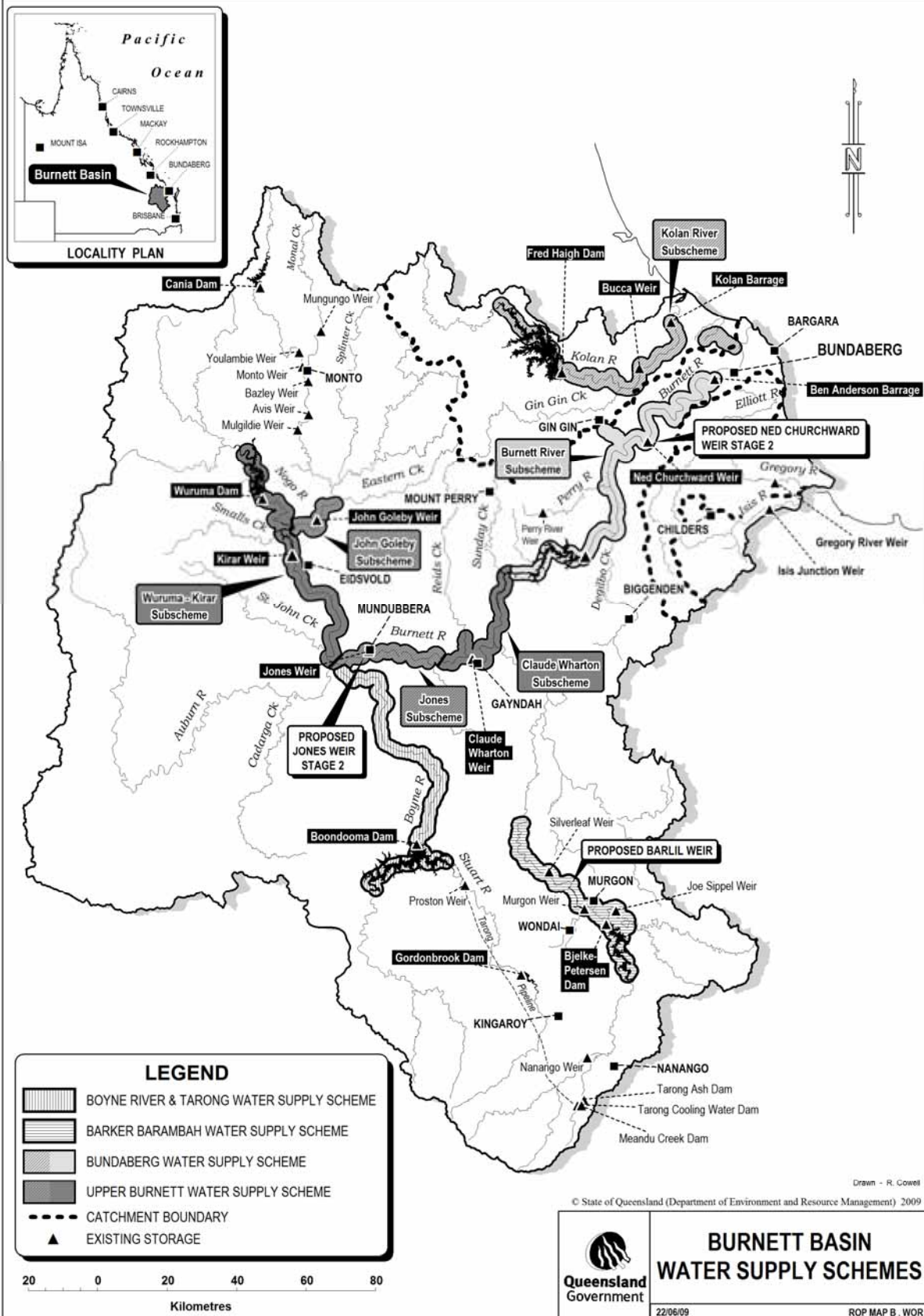
9.2 Amendments to the resource operations plan

Details of amendments to the Burnett ROP are specified in Attachment 9.2.

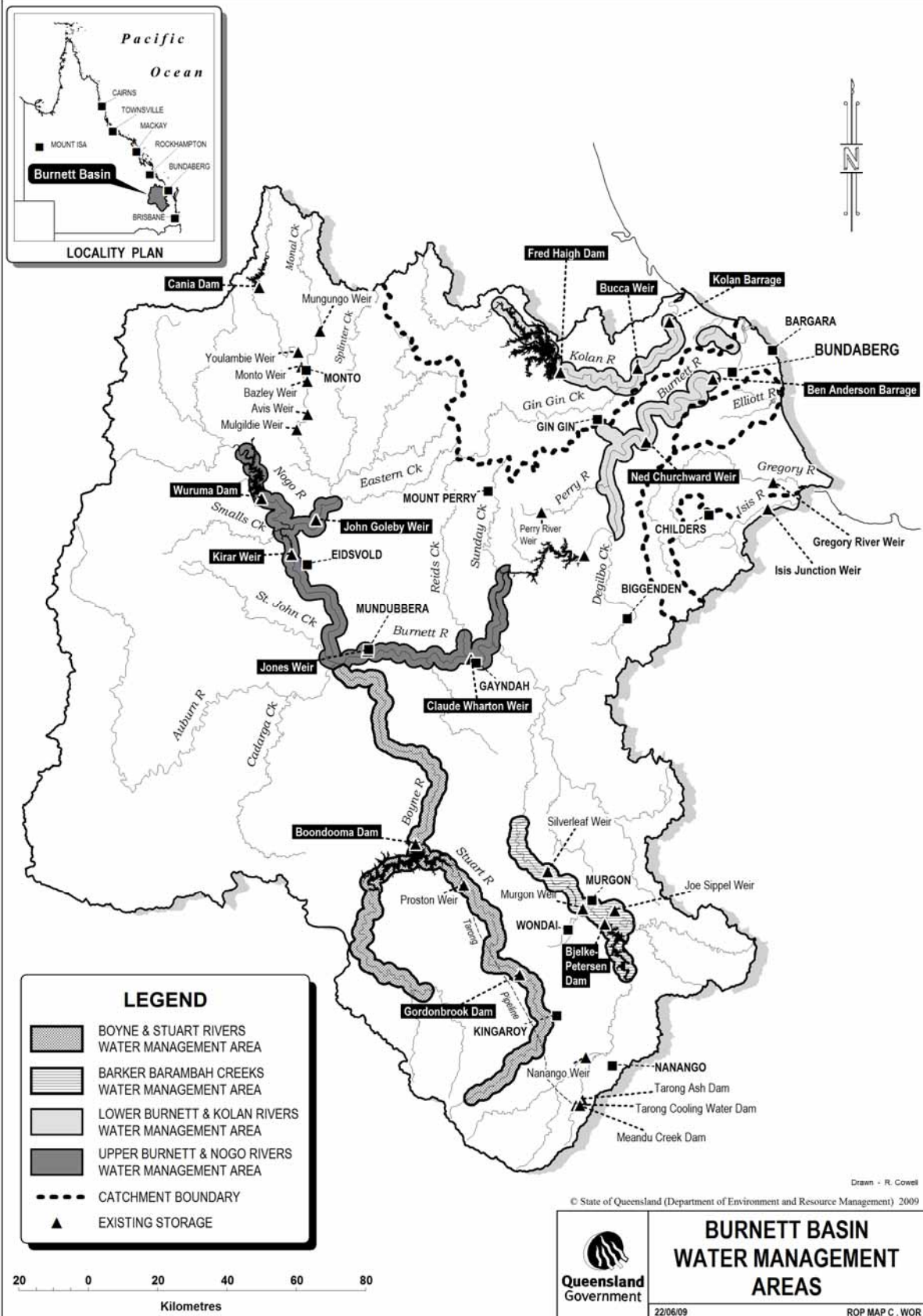


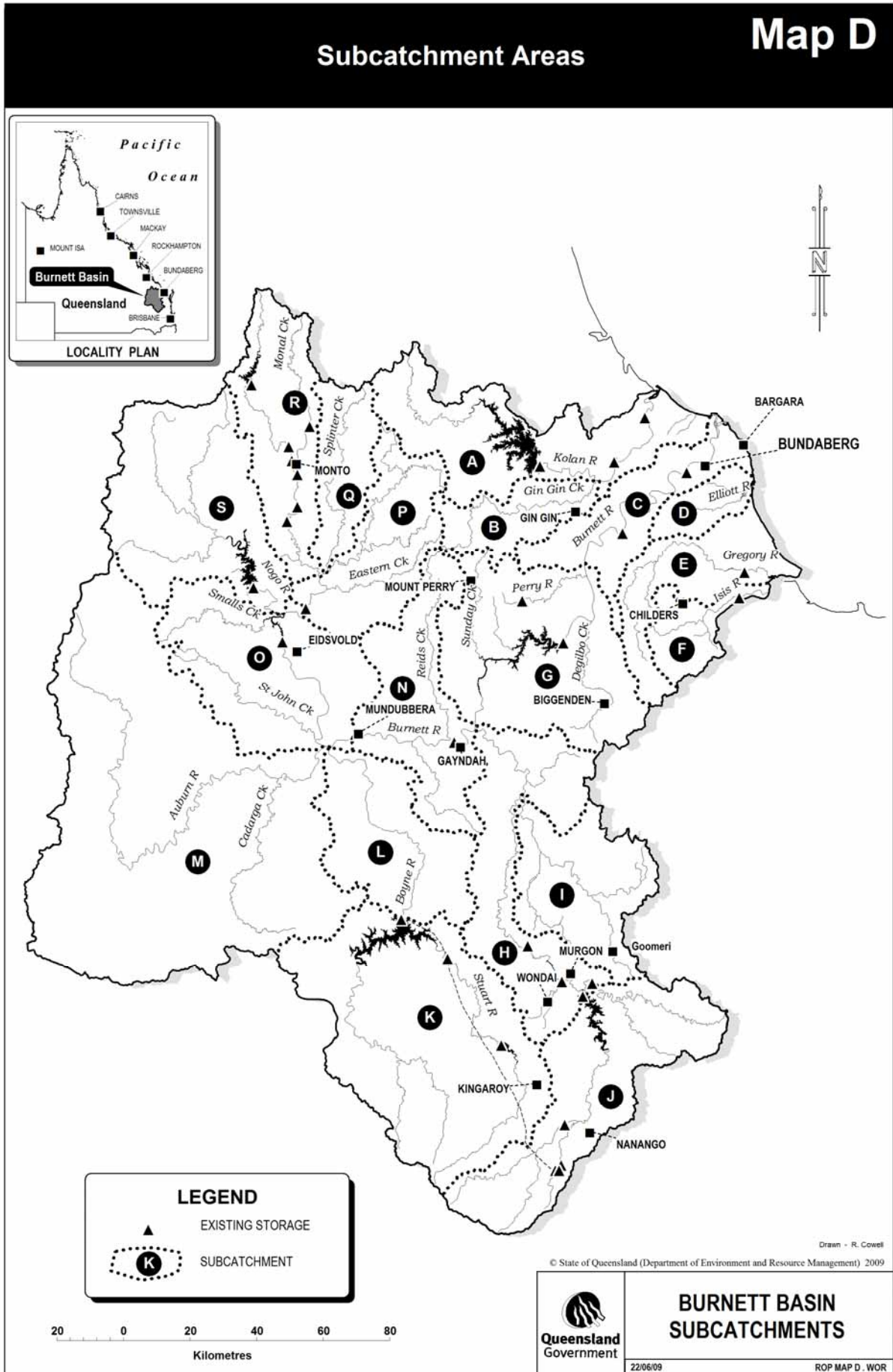
Supplemented Water Supply Schemes covered by this ROP

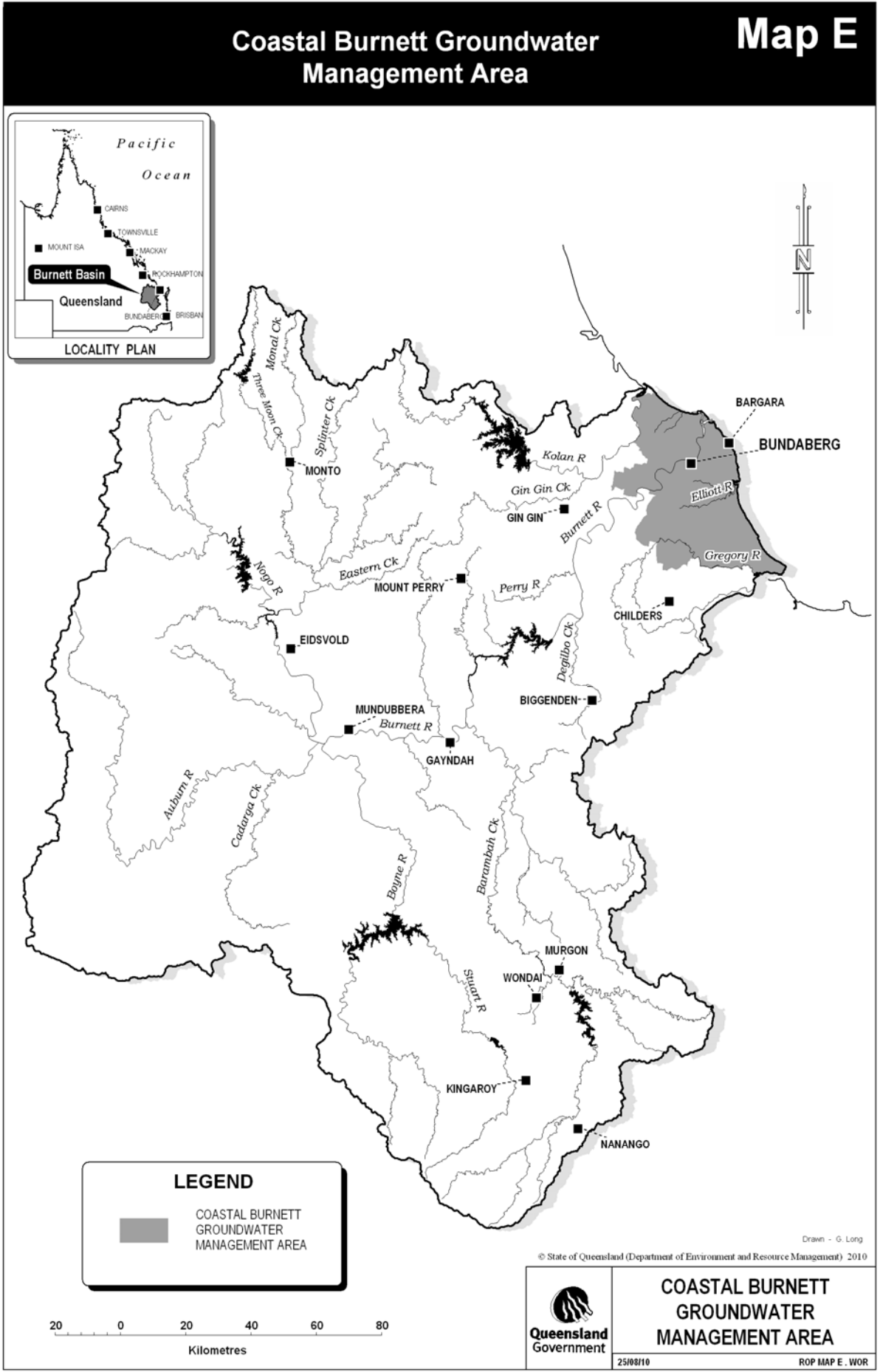
Map B



Unsupplemented Water Management Areas covered by this ROP Map C







Attachment**21****Scope of the plan: Zones for Water Supply Schemes in the ROP area****Table 1: Zones for Bundaberg, Upper Burnett, Barker Barambah and Boyne River and Tarong Water Supply Schemes**

Zone	AMTD	Location	Sheet Number
BUNDABERG WATER SUPPLY SCHEME			
Kolan River Zones			
AA	14.7–30.8	Kolan River Barrage to AMTD 30.8. Includes Gooburrum scheme and Avondale Water Board.	2.1.1
AB	30.8–38	AMTD 30.8 to Bucca Weir. Includes Abbotsford scheme.	2.1.2
AC	38–52.9	Bucca Weir to AMTD 52.9.	2.1.2
AD	52.9–116	AMTD 52.9 to Fred Haigh Dam and the full supply storage limits of Fred Haigh Dam. Includes Bingera and Gin Gin schemes, and Gin Gin Town Water Supply (TWS).	2.1.3
Lower Burnett River Zones			
CA	25.9–65.6	Ben Anderson Barrage to AMTD 65.6. Includes Isis and Woongarra schemes and the Bundaberg and Burnett Shire TWS.	2.1.4
CB	65.6–97.9	AMTD 65.6 to St Agnes Creek confluence. Includes Wallaville TWS.	2.1.5
GZ	97.9–162.8	St Agnes Creek confluence to AMTD 162.8.	2.1.6b
UPPER BURNETT WATER SUPPLY SCHEME			
Upper Burnett River Zones			
GY	162.8–176	AMTD 162.8 to AMTD 176.	2.1.6b
GB	176–187.4	AMTD 176 to Barambah Creek confluence.	2.1.6a
NA	187.4–202.4	Barambah Creek confluence to Claude Wharton Weir. Includes Gayndah TWS.	2.1.7
NB	202.4–213.1	Claude Wharton Weir to AMTD 213.1.	2.1.7
NC	213.1–240.1	AMTD 213.1 to Jones Weir.	2.1.7
OA	240.1–253	Jones Weir to AMTD 253. Includes Mundubbera TWS.	2.1.8
OB	253–291.1	AMTD 253 to Eidsvold Gauging Station.	2.1.8

Zone	AMTD	Location	Sheet Number
Upper Burnett River Zones (cont)			
OC	291.1–311.8	Eidsvold Gauging Station to Nogo River confluence. Includes Eidsvold TWS.	2.1.9
OD	311.8–321.1	Nogo River confluence to Ceratodus Gauging Station.	2.1.9
PA	321.1–333.9	Ceratodus Gauging Station to AMTD 333.9.	2.1.9
Nogo River Zones			
SA	0–23	Burnett River confluence to Wuruma Dam.	2.1.10
SB	23–44.5	Wuruma Dam to AMTD 44.5.	2.1.10
Auburn River Zones			
MA	0–6	Burnett River confluence to AMTD 6.	2.1.8
BARKER BARAMBAH WATER SUPPLY SCHEME			
Barker and Barambah Creek Zones			
HB	85–120.4	Barambah Creek AMTD 85 to Silverleaf Weir.	2.1.11
HZ	120.4 -126.7	Silverleaf Weir storage limits.	2.1.11
HC	126.7–143.7	Barambah Creek from Silverleaf Weir storage limits to AMTD 143.7.	2.1.12
HD	143.7–159 0–38.2	Barambah Creek AMTD 143.7 to Barker Creek confluence. Barker Creek confluence to Barker Creek AMTD 38.2.	2.1.12
HE	159–179.4	Barambah Creek from Barker Creek confluence to Upper Redgate Pump Station.	2.1.13
JA	179.4–189.5	Barambah Creek from Redgate Pump Station to Francis Weir upstream storage limit.	2.1.13
BOYNE RIVER AND TARONG WATER SUPPLY SCHEME			
Boyne River Zones			
LA	0–86.7	Burnett River confluence to Boondooma Dam.	2.1.16
KA	86.7–110.5	Boondooma Dam full supply storage limits.	2.1.17
Stuart River Zones			
KA	0–19.8	Boondooma Dam full supply storage limits.	2.1.17

- a) Zones are also depicted on the following sheet maps.
- b) Adopted Middle Thread Distance (AMTD) is the distance in kilometres along the middle of the stream from its mouth or confluence with the main river.
- c) Each zone includes those sections of tributaries where there is access to flow or pondage from regulated reaches.

Attachment**22****Scope of the plan: Zones for Water Management Areas in the ROP area****Table 1: Zones for Lower Burnett and Kolan Rivers, Upper Burnett and Nogo Rivers, Barker Barambah Creeks and Boyne and Stuart Rivers Water Management Areas**

Zone	AMTD	Location	Sheet Number
LOWER BURNETT AND KOLAN RIVERS WATER MANAGEMENT AREA			
Kolan River Zones			
AA	14.7–30.8	Kolan River Barrage to AMTD 30.8.	2.1.1
AB	30.8–38	AMTD 30.8 to Bucca Weir.	2.1.2
AC	38–52.9	Bucca Weir to AMTD 52.9.	2.1.2
AD	52.9–116	AMTD 52.9 to Fred Haigh Dam and the full supply storage limits of Fred Haigh Dam.	2.1.3
Lower Burnett River Zones			
CA	25.9–65.6	Ben Anderson Barrage to AMTD 65.6.	2.1.4
CB	65.6–97.9	AMTD 65.6 to St Agnes Creek confluence.	2.1.5
UPPER BURNETT AND NOGO RIVERS WATER MANAGEMENT AREA			
Upper Burnett River Zones			
GA	97.9–176	St Agnes Creek confluence to AMTD 176.	2.1.6a
GB	176–187.4	AMTD 176 to Barambah Creek confluence.	2.1.6a
NA	187.4–202.4	Barambah Creek confluence to Claude Wharton Weir.	2.1.7
NB	202.4–213.1	Claude Wharton Weir to AMTD 213.1.	2.1.7
NC	213.1–240.1	AMTD 213.1 to Jones Weir.	2.1.7
OA	240.1–253	Jones Weir to AMTD 253.	2.1.8
OB	253–291.1	AMTD 253 to Eidsvold Gauging Station.	2.1.8
OC	291.1–311.8	Eidsvold Gauging Station to Nogo River confluence.	2.1.9
OD	311.8–321.1	Nogo River confluence to Ceratodus Gauging Station.	2.1.9
PA	321.1–333.9	Ceratodus Gauging Station to AMTD 333.9.	2.1.9

Zone	AMTD	Location	Sheet Number
UPPER BURNETT AND NOGO RIVERS WATER MANAGEMENT AREA cont.			
Nogo River Zones			
SA	0–23	Burnett River confluence to Wuruma Dam.	2.1.10
SB	23–44.5	Wuruma Dam to AMTD 44.5.	2.1.10
Auburn River Zones			
MA	0–6	Burnett River confluence to AMTD 6.	2.1.8
BARKER BARAMBAH CREEKS WATER MANAGEMENT AREA			
Barambah Creek Zones			
HJ	85–120.4	AMTD 85 on Barambah Creek to Silverleaf Weir.	2.1.15
HK	120.4–141.6	Silverleaf Weir to Ficks Crossing Gauging Station.	2.1.15
HL	141.6–171.8	Ficks Crossing Gauging Station to Joe Sippel Weir.	2.1.15
JD	171.8–189.5	Joe Sippel Weir to Francis Weir upstream storage limit.	2.1.15
Barker Creek Zones			
JC	0–38.2	Barambah Creek confluence to AMTD 38.2 on Barker Creek.	2.1.14
BOYNE AND STUART RIVERS WATER MANAGEMENT AREA			
Boyne River Zones			
LA	0–86.7	Burnett River confluence to Boondooma Dam.	2.1.16
KA	86.7–110.5	Boondooma Dam full supply storage limits.	2.1.17
KB	110.5–181.8	Boondooma Dam upstream full supply storage limit to AMTD 181.8.	2.1.18
Stuart River Zones			
KA	0–19.8	Boondooma Dam full supply storage limits.	2.1.17
KC	19.8–83	Boondooma Dam upstream full supply storage limit to Gordonbrook Dam and Reedy Creek from AMTD 0.2 downstream to the confluence with the Stuart River.	2.1.19
KD	83–94.5	Gordonbrook Dam full supply storage limits.	2.1.19
KE	94.5–155.7	Gordonbrook Dam upstream full supply storage limit to AMTD 155.7 and Flagstone Creek from AMTD 0.9 downstream to the confluence with the Stuart River.	2.1.20

- a) Zones are also depicted on the following sheet maps.
- b) Adopted Middle Thread Distance (AMTD) is the distance in kilometres along the middle of the stream from its mouth or confluence with the main river.
- c) Each zone includes those sections of tributaries where there is access to flow or pondage from regulated reaches.

Attachment 23

Scope of the plan: Zonation of groundwater management areas

Table 1: Zones, zone groups and sub-areas for the Coastal Burnett GMA

Subarea	Zone Group	Zone	Sheet Number
Coastal Burnett Unit 1			
Kolan Burnett A	ZG01 (Moore Park)	001	2.3.3
	ZG02 (Fairymead Mill)	002	2.3.3
		003	2.3.3
	ZG03 (Booyan)	004	2.3.3
		005	2.3.3
		006	2.3.3
		007	2.3.3
		008	2.3.3
		ZG04 (Gooburrum)	009
	010		2.3.3
	011		2.3.3
	012		2.3.3
	013		2.3.3
	014		2.3.3
	ZG05 (North Bundaberg)		015
		016	2.3.3
	ZG06 (Welcome Creek/Meadowvale/ Oakwood)	017	2.3.3
		018	2.3.3
		019	2.3.3
		020	2.3.3
Kolan Burnett B	ZG07 (Moorland north)	021	2.3.4
	ZG08 (Moorland south)	022	2.3.4
	ZG09	023	2.3.4

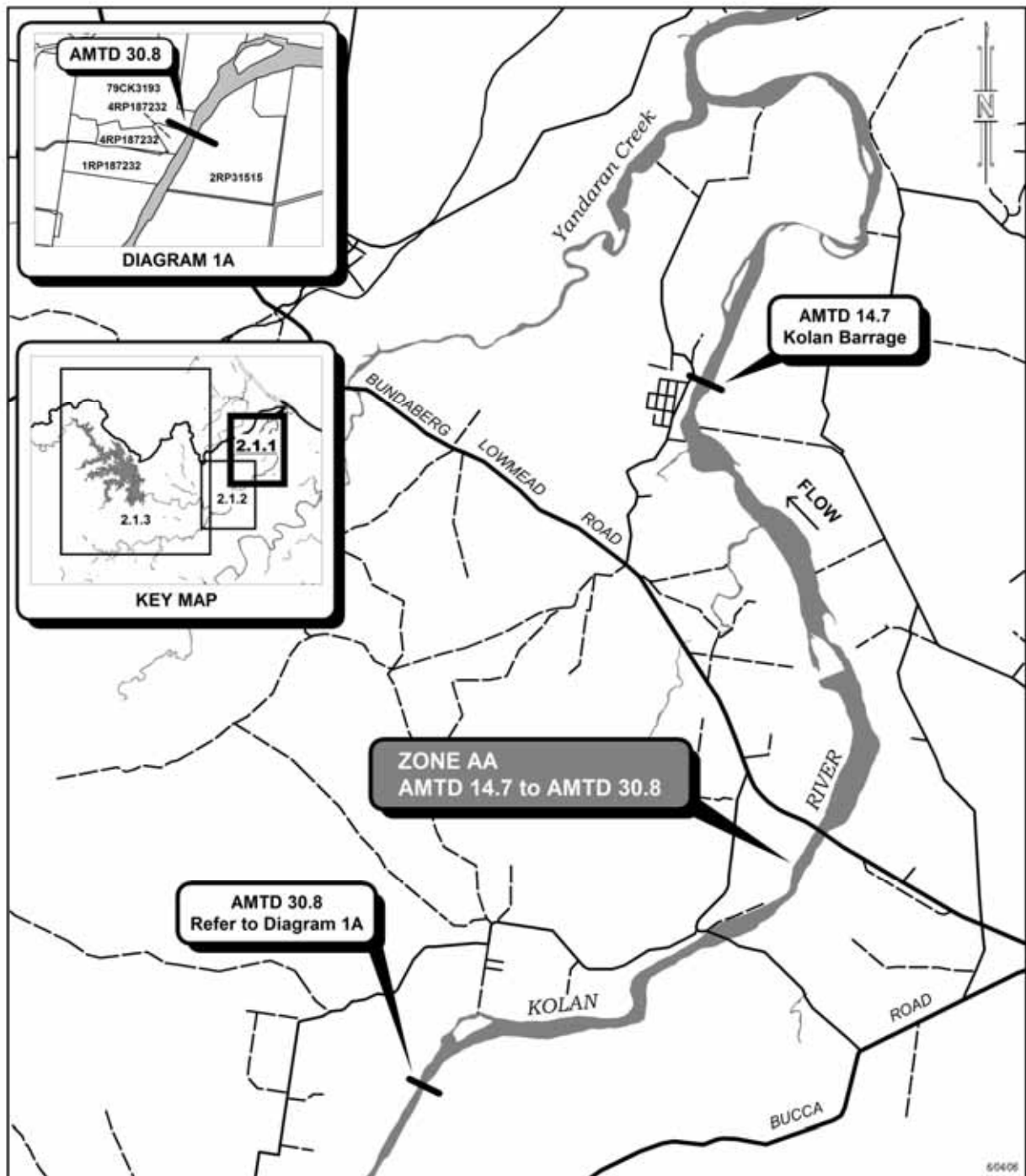
Subarea	Zone Group	Zone	Sheet Number
	(Sharon)		
	ZG10 (South Kolan)	024	2.3.4
Burnett Elliott A	ZG11 (Burnett Heads)	025	2.3.5
		026	2.3.5
	ZG12 (Barolin Coast)	027	2.3.5
		028	2.3.5
		029	2.3.5
	ZG13 (Elliott Heads)	030	2.3.5
		031	2.3.5
		032	2.3.5
		033	2.3.5
		034	2.3.5
		035	2.3.5
		036	2.3.5
	ZG14 (Rubyanna/Millaquin)	037	2.3.5
	ZG15 (Woongarra)	038	2.3.5
		039	2.3.5
		040	2.3.5
		041	2.3.5
		042	2.3.5
043		2.3.5	
044		2.3.5	

	ZG16 (Calavos)	045	2.3.5
		046	2.3.5
		047	2.3.5
		048	2.3.5
		049	2.3.5
		050	2.3.5
		051	2.3.5
		052	2.3.5
	ZG17 (Bundaberg)	053	2.3.5
		054	2.3.5
		055	2.3.5
		056	2.3.5
057		2.3.5	
ZG18 (Alloway)	058	2.3.5	
	059	2.3.5	
	060	2.3.5	
Burnett Elliott B	ZG19 (Bonna)	061	2.3.6
	ZG20 (Takalvan)	062	2.3.6
Elliott Gregory A	ZG21 (Elliott River south)	063	2.3.7
		064	2.3.7
		065	2.3.7
	ZG22 (Coonarr Road south)	066	2.3.7
	ZG23 (Kinkuna)	067	2.3.7
	ZG24 (Mahogany Creek south)	068	2.3.7
Elliott Gregory B	ZG25 (Kinkuna/Woodgate)	069	2.3.8
	ZG26 (Goodwood)	070	2.3.8
	ZG27 (North Gregory east)	071	2.3.8

	ZG28 (RP146333)	072	2.3.8
	ZG29 (North Gregory)	073	2.3.8
	ZG30 (Turpentine)	074	2.3.8
	ZG31 (North Gregory west)	075	2.3.8
	ZG32 (Elliott Forestry)	076	2.3.8
Farnsfield B	ZG33 (Farnsfield north)	077	2.3.9
	ZG34 (Farnsfield south)	078	2.3.9
Coastal Burnett Unit 2			
Fairymead A	ZG35 (Fairymead/Moore Park)	079	2.3.10
	ZG36 (Welcome Creek/Fairydale)	080	2.3.10
		081	2.3.10
		082	2.3.10
	ZG37 (Rubyanna/Qunaba/ Burnett Heads)	083	2.3.10
	ZG38 (Woongarra/ Windermere)	084	2.3.10
		085	2.3.10
		086	2.3.10
		087	2.3.10
		088	2.3.10
		089	2.3.10
	ZG39 (Calavos lower)	090	2.3.10
		091	2.3.10
	ZG40 (Coonarr Road west)	092	2.3.10
		093	2.3.10
	ZG41 (Mahogany Creek)	094	2.3.10
		095	2.3.10

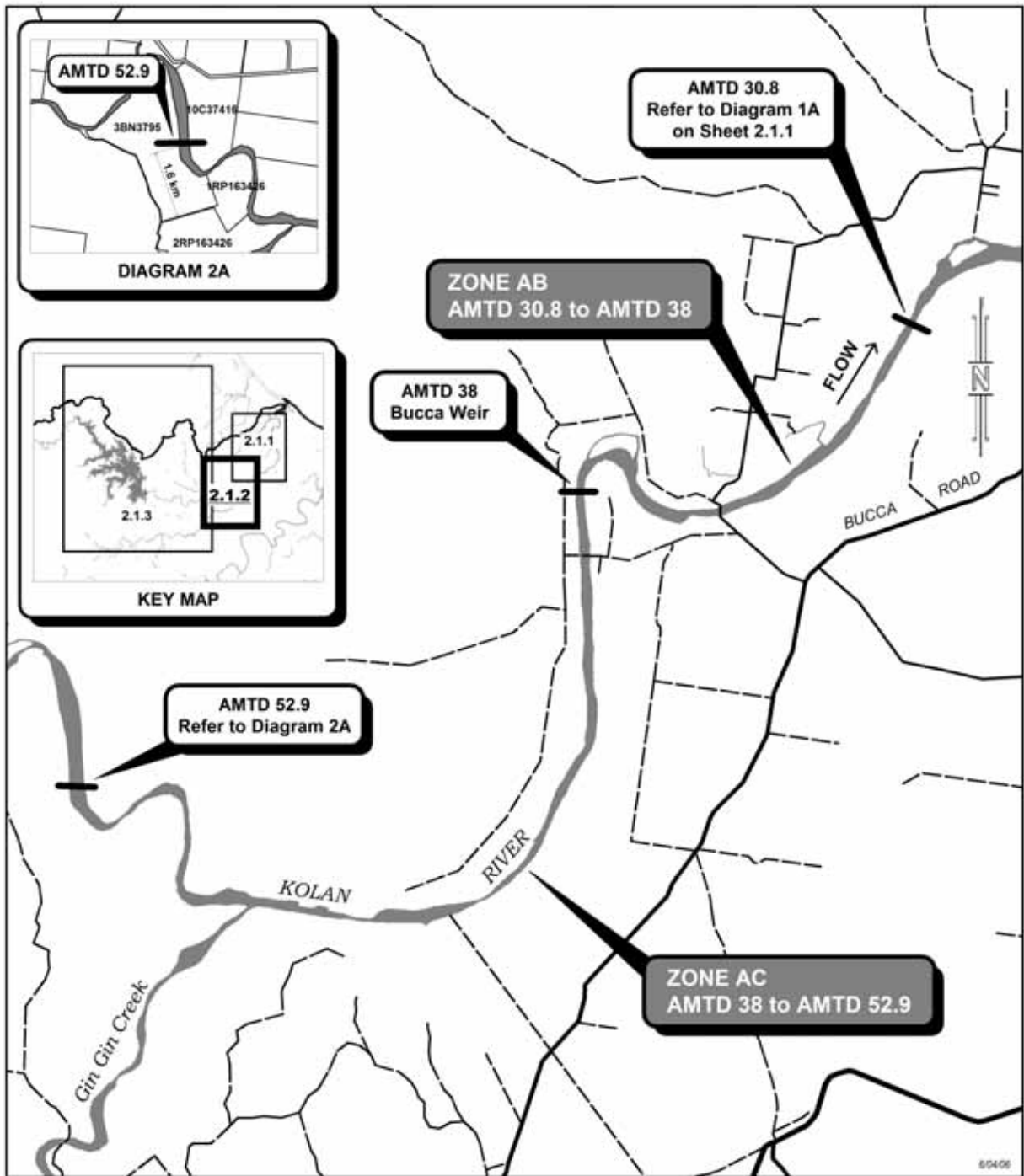
	ZG42 (Bingera Forest Reserve north)	096	2.3.10
Fairymead B	ZG43 (RP146333 lower)	097	2.3.11
	ZG44 (Bingera Forest Reserve south)	098	2.3.11
	ZG45 (Stranos Road)	099	2.3.11
	ZG46 (Farnsfield east)	100	2.3.11

Kolan Zone AA



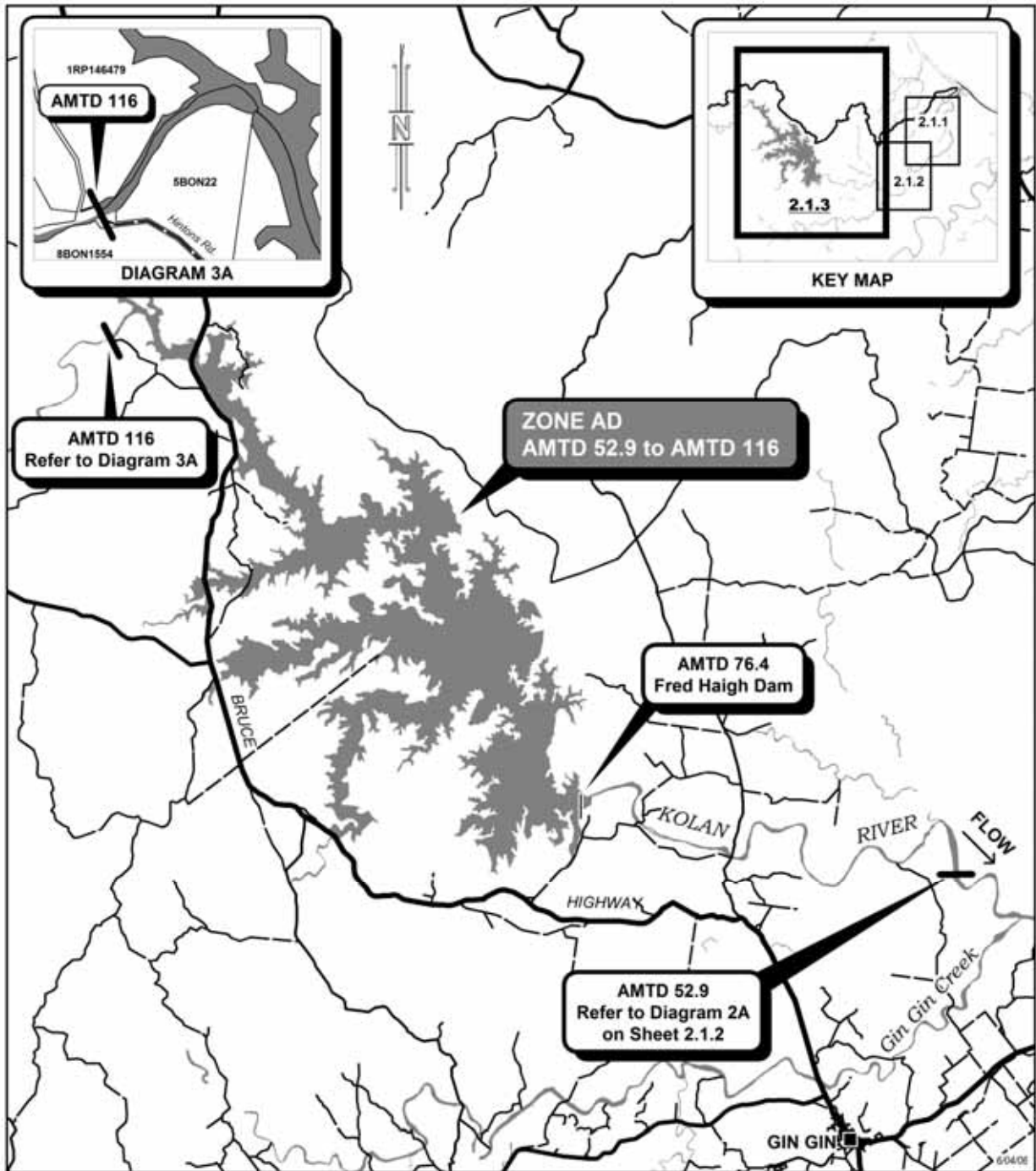
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Kolan Zones AB & AC



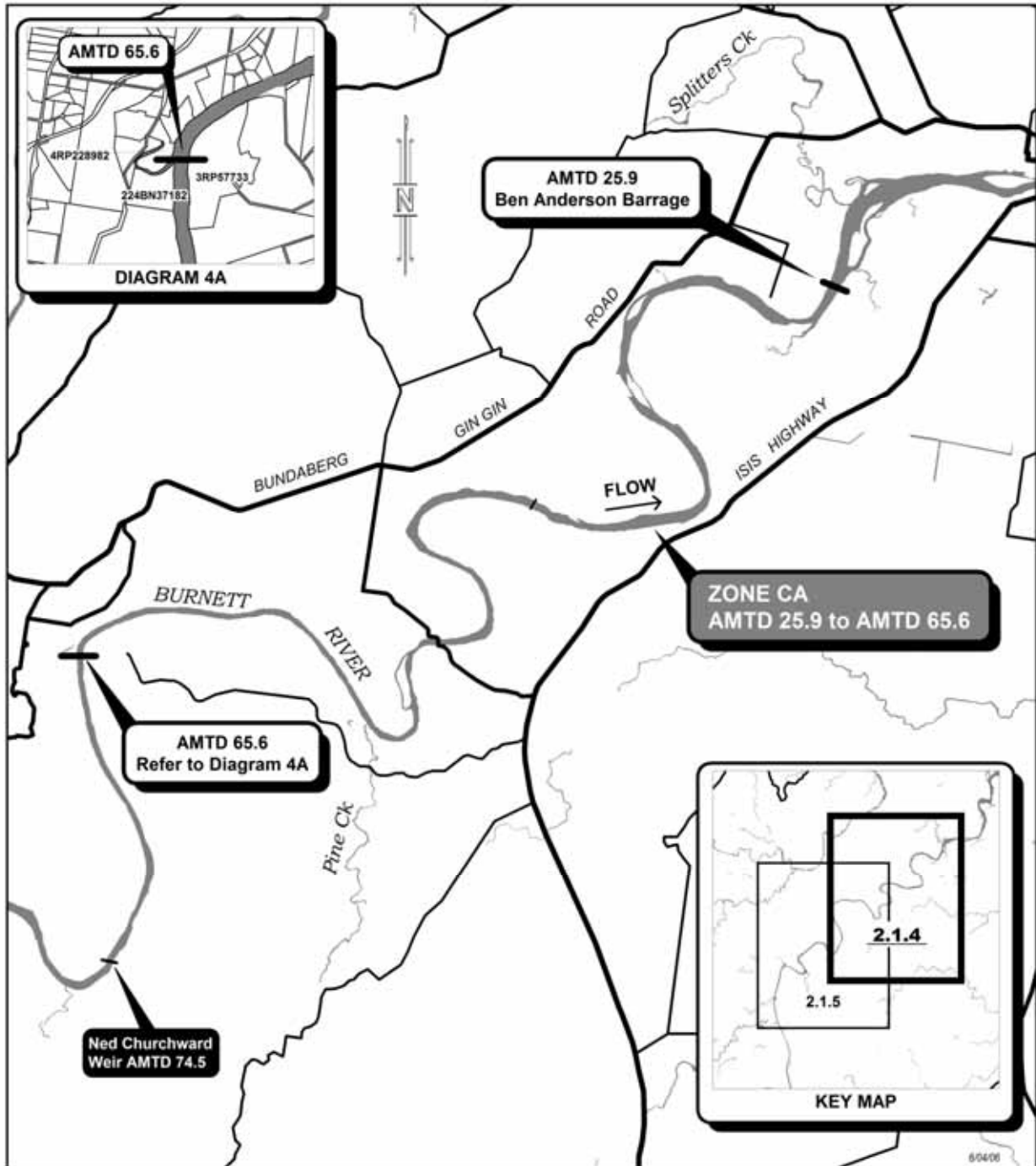
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Kolan Zone AD



Sheet 2.1.3

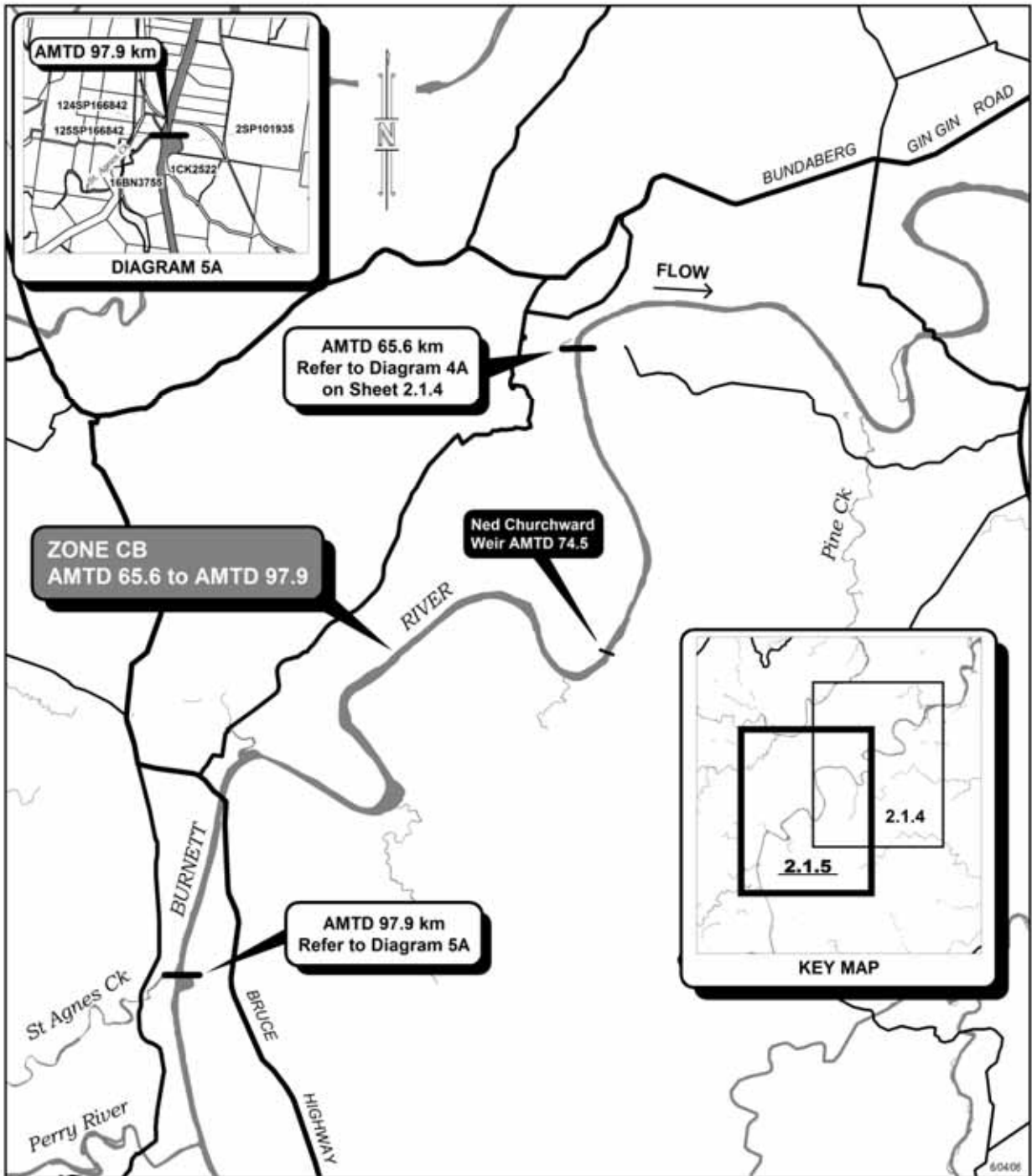
Lower Burnett Zone CA



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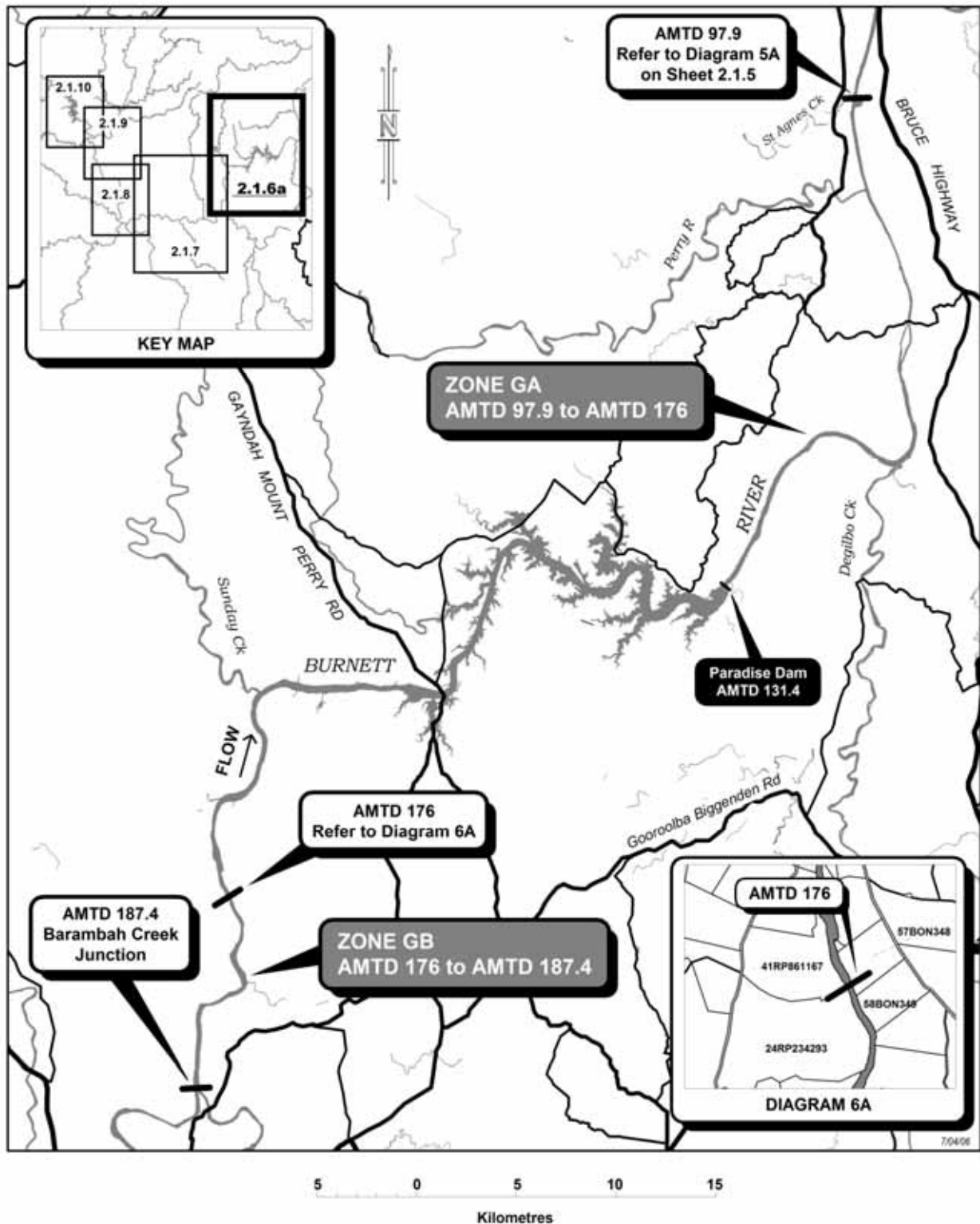
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Lower Burnett Zone CB



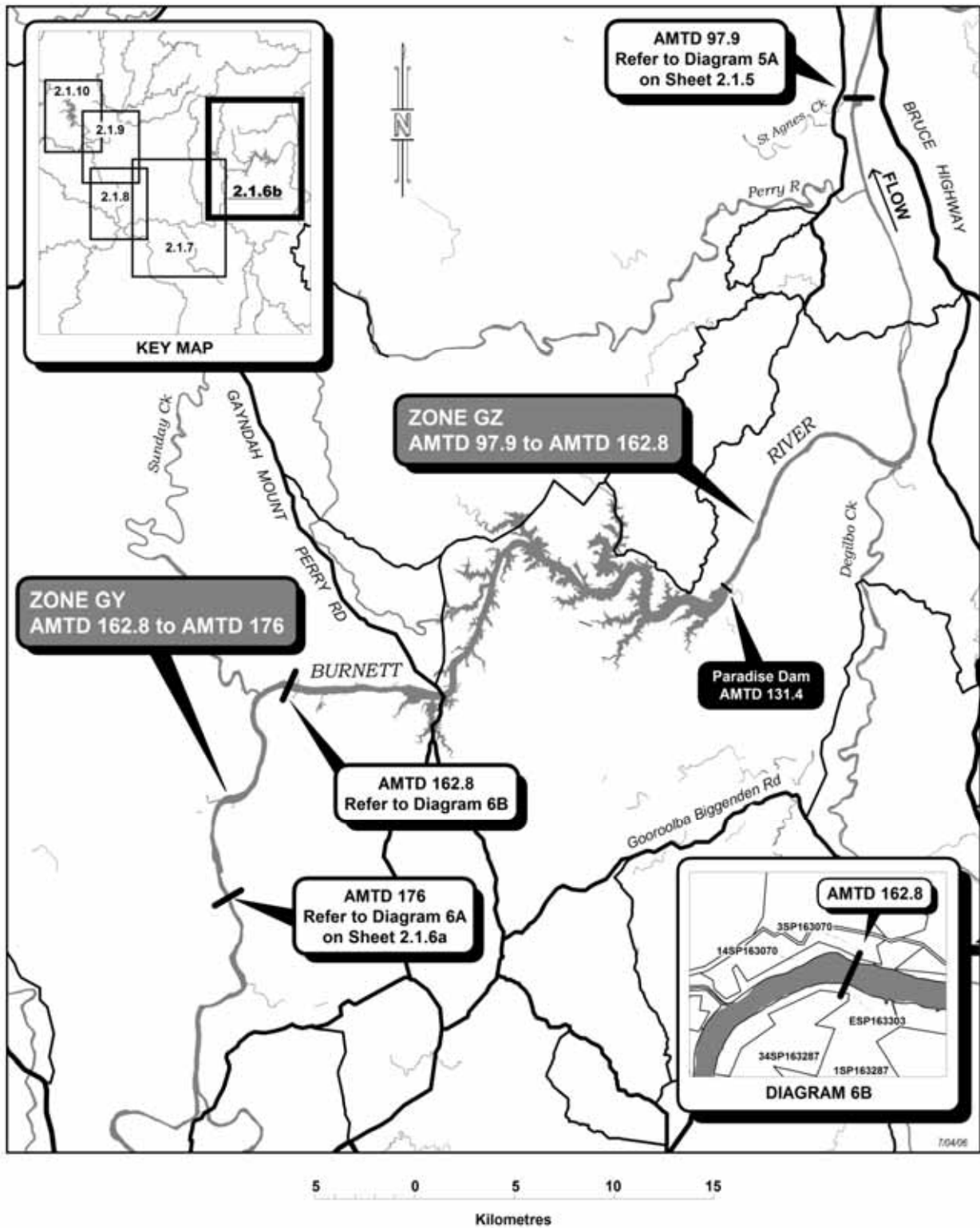
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Upper Burnett Zones GA & GB



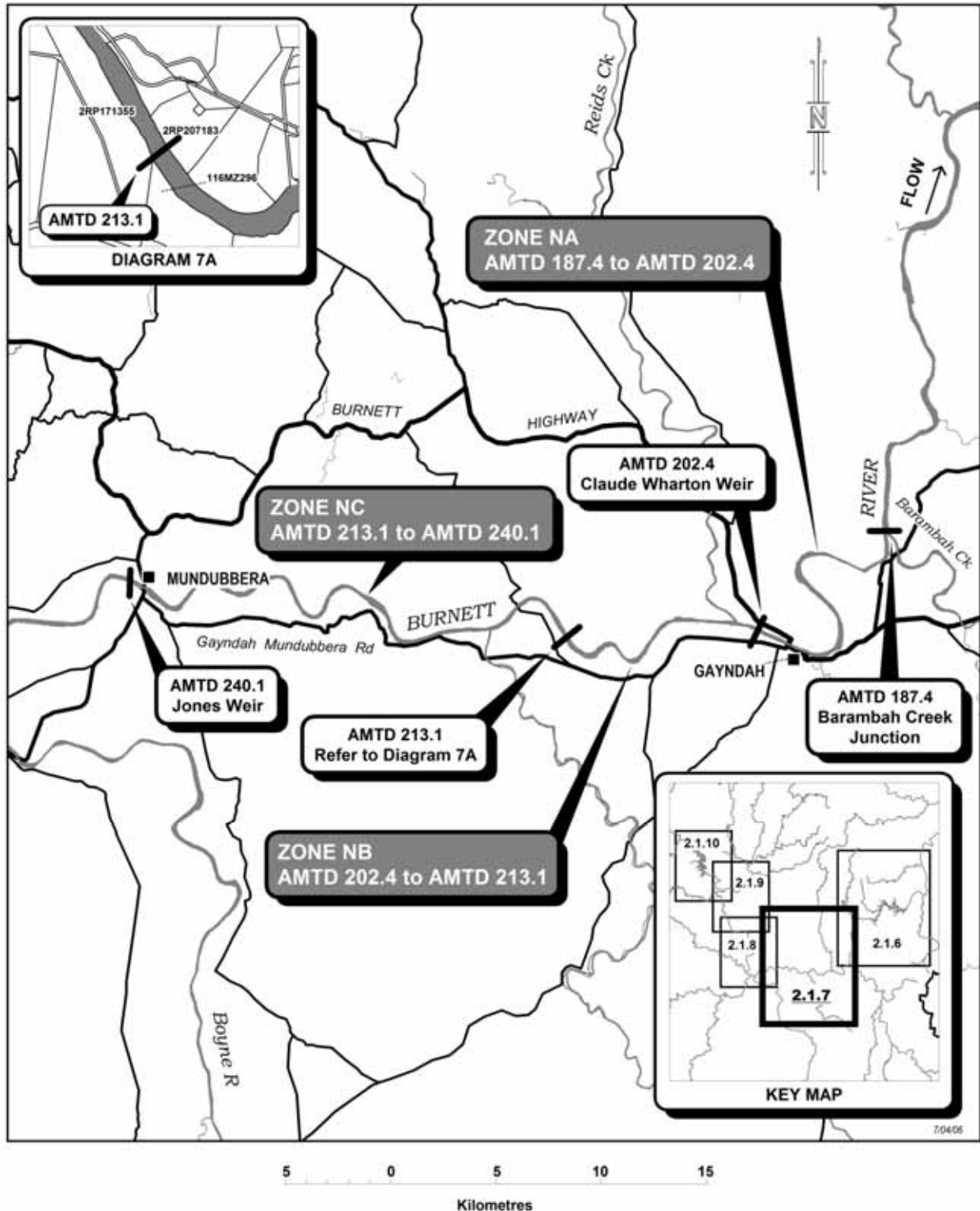
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Upper Burnett Zone GY & Lower Burnett Zone GZ



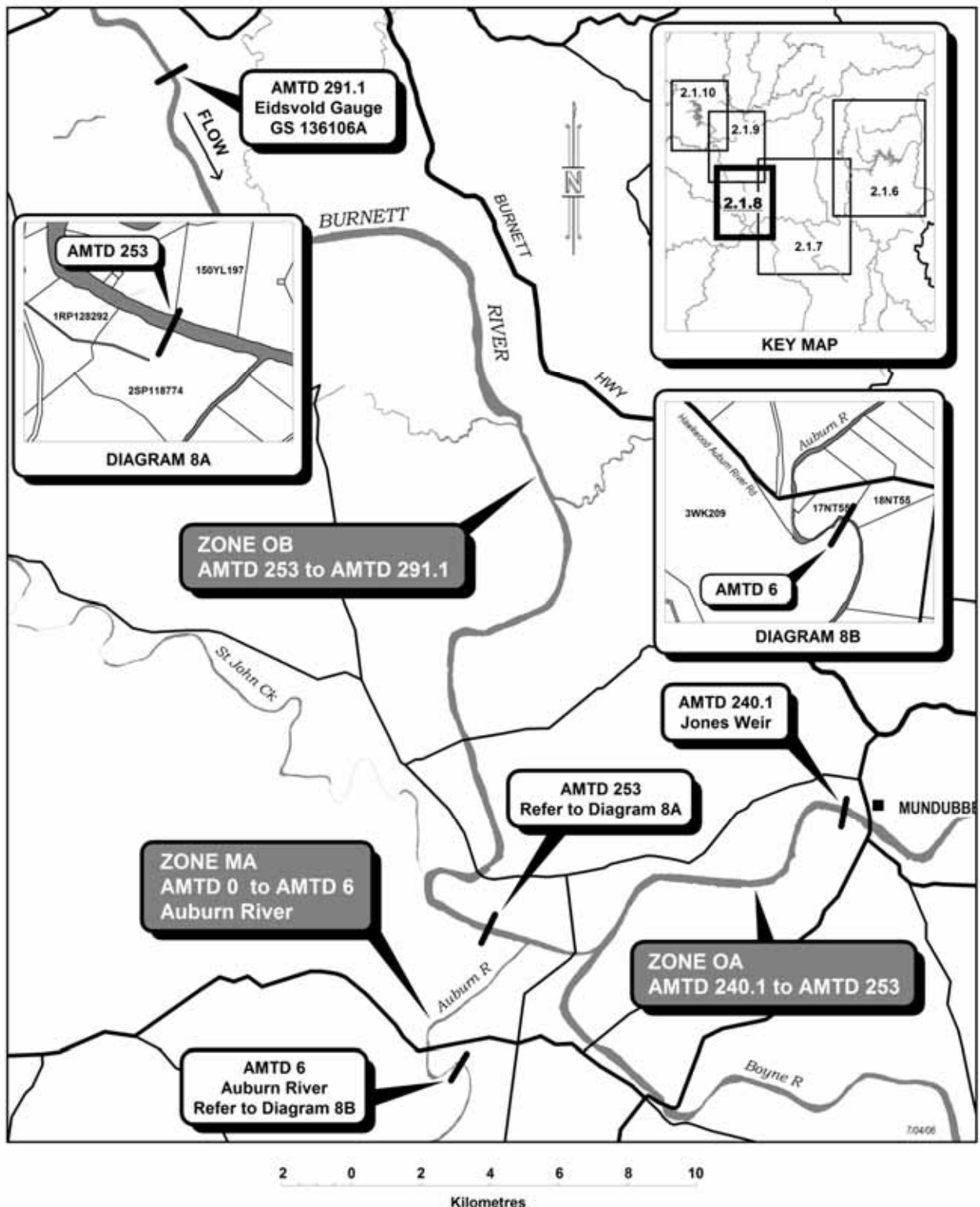
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Upper Burnett Zones NA, NB & NC



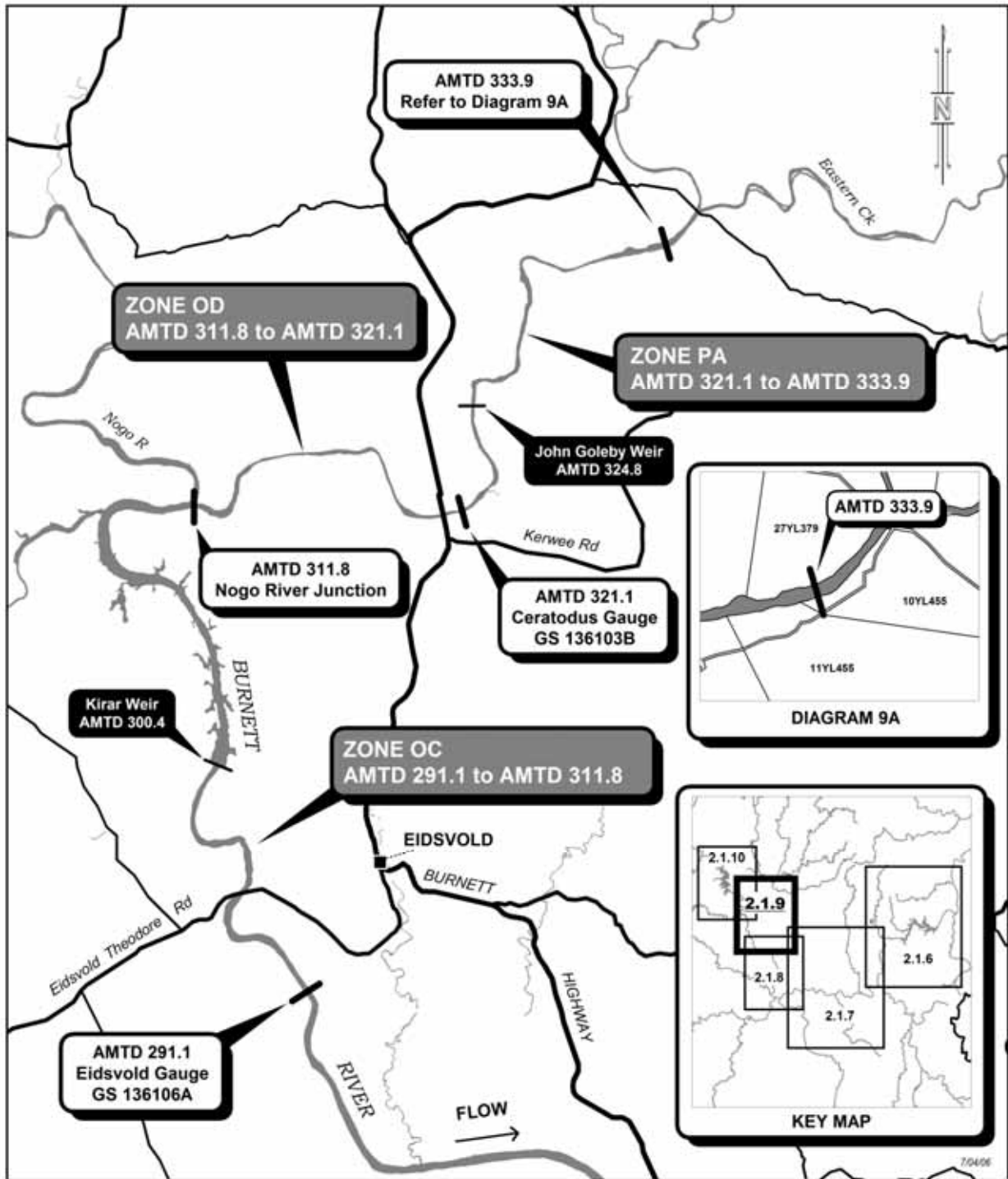
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Upper Burnett Zones OA, OB & MA



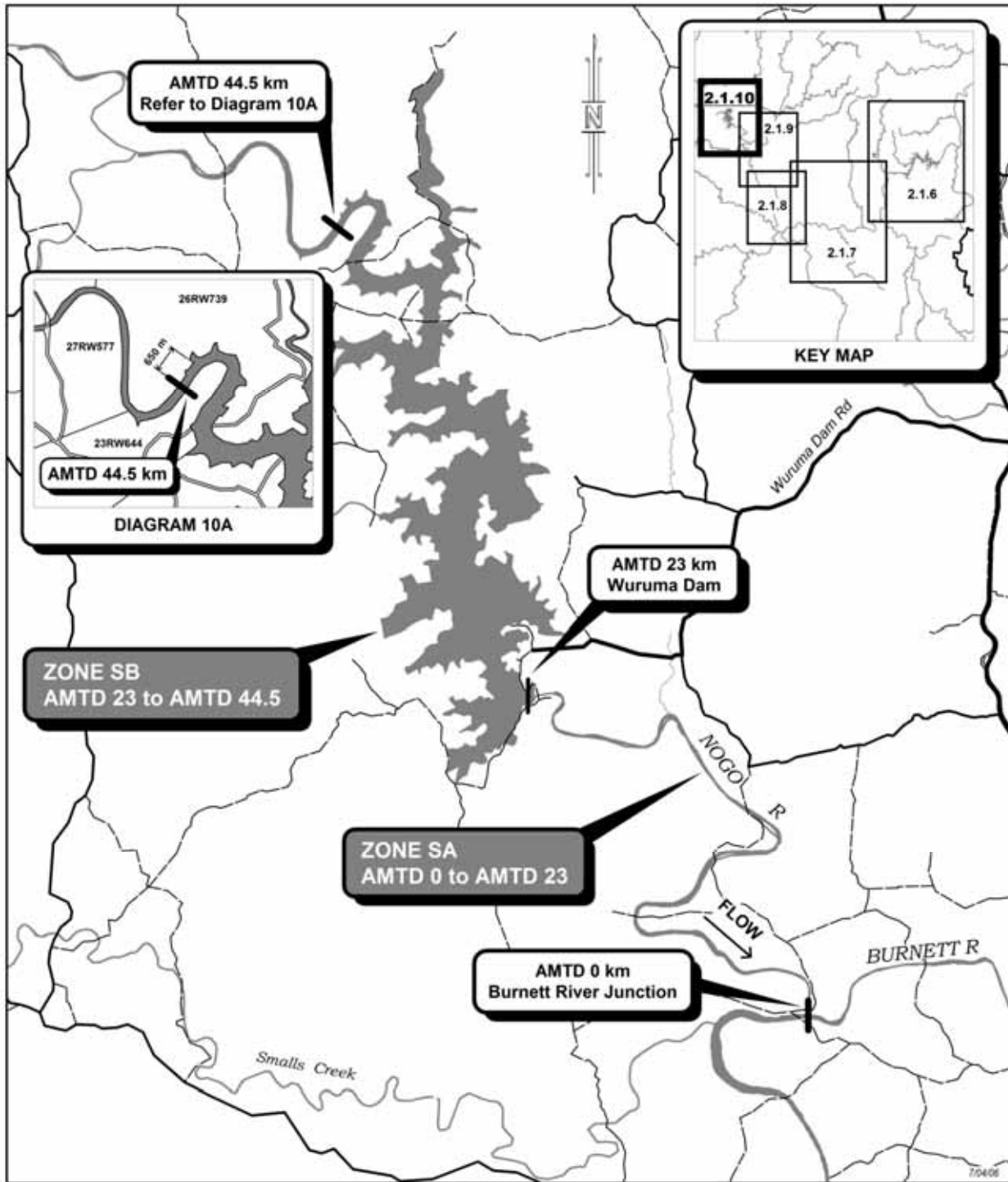
Sheet 2.1.8

Upper Burnett Zones OC, OD & PA



Sheet 2.1.9

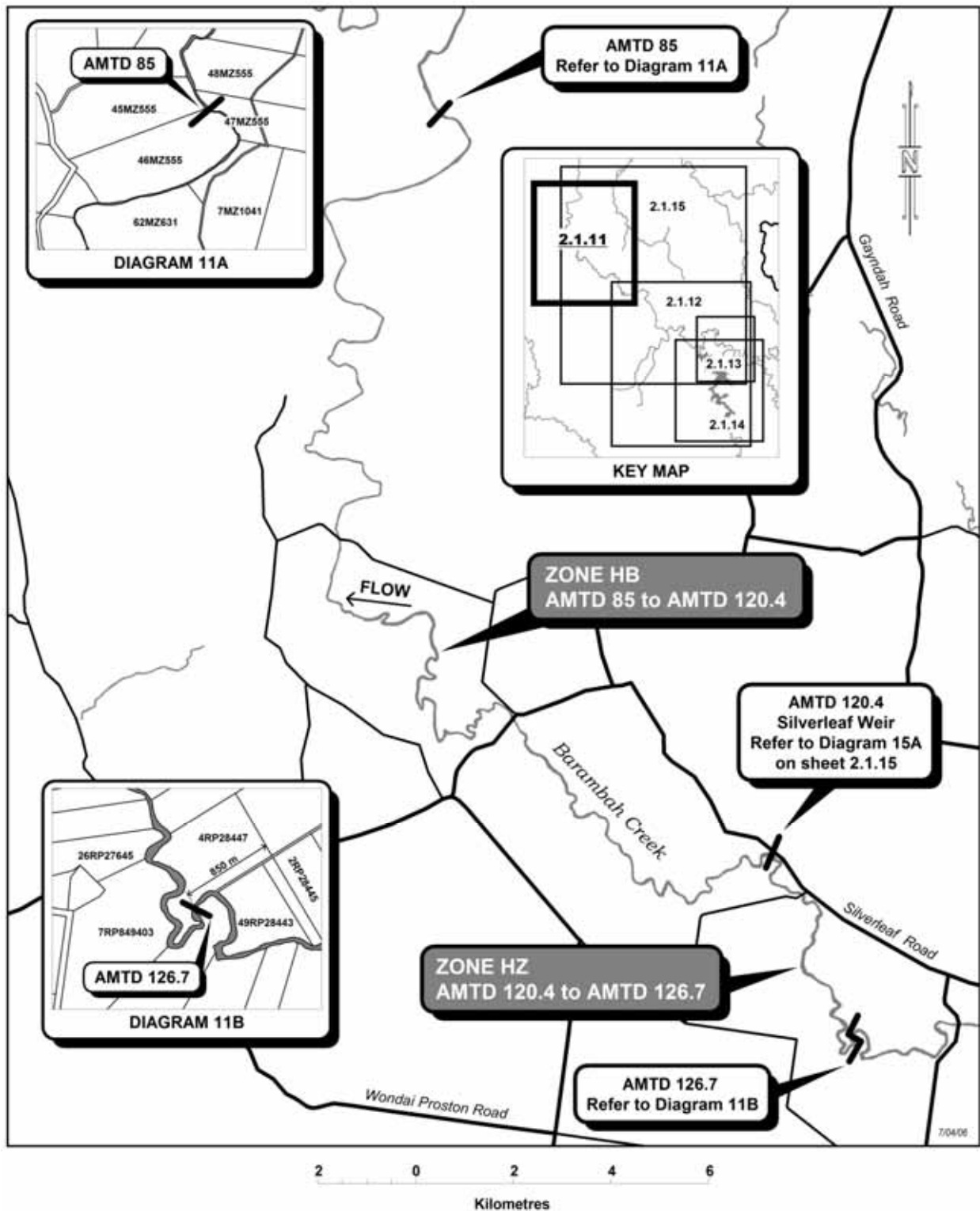
Upper Burnett Zones SA & SB



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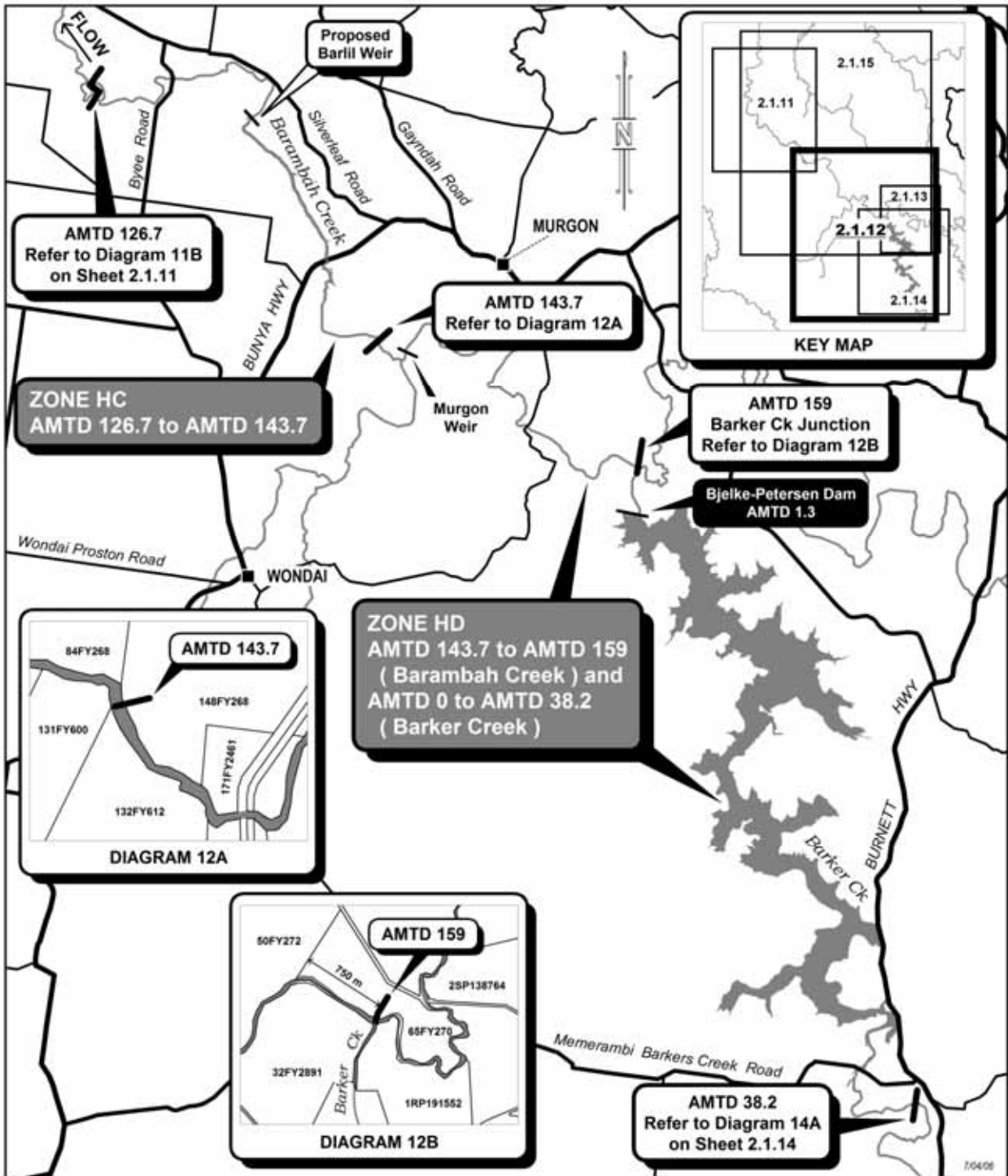
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Barker Barambah Zones HB & HZ



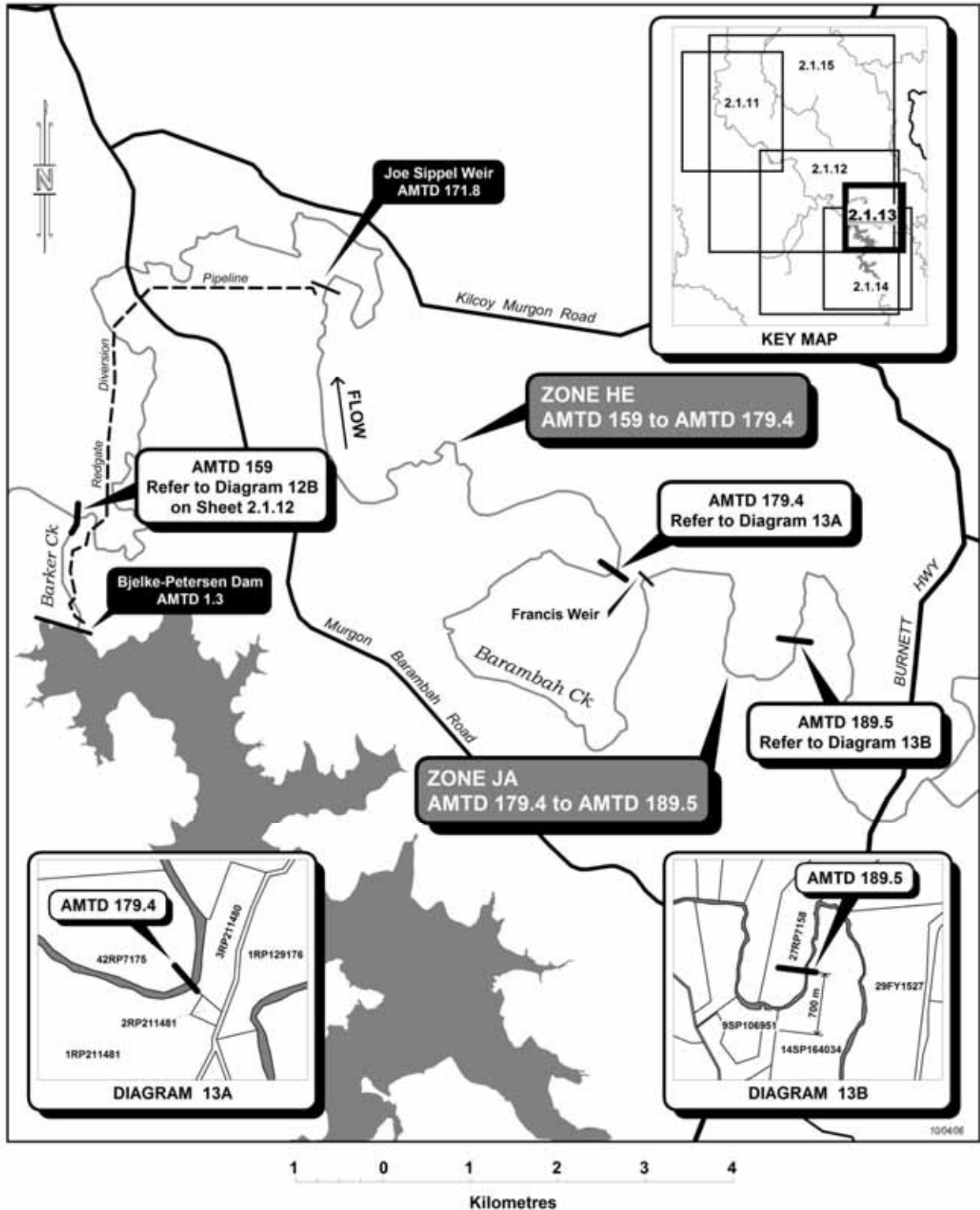
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Barker Barambah Zones HC & HD

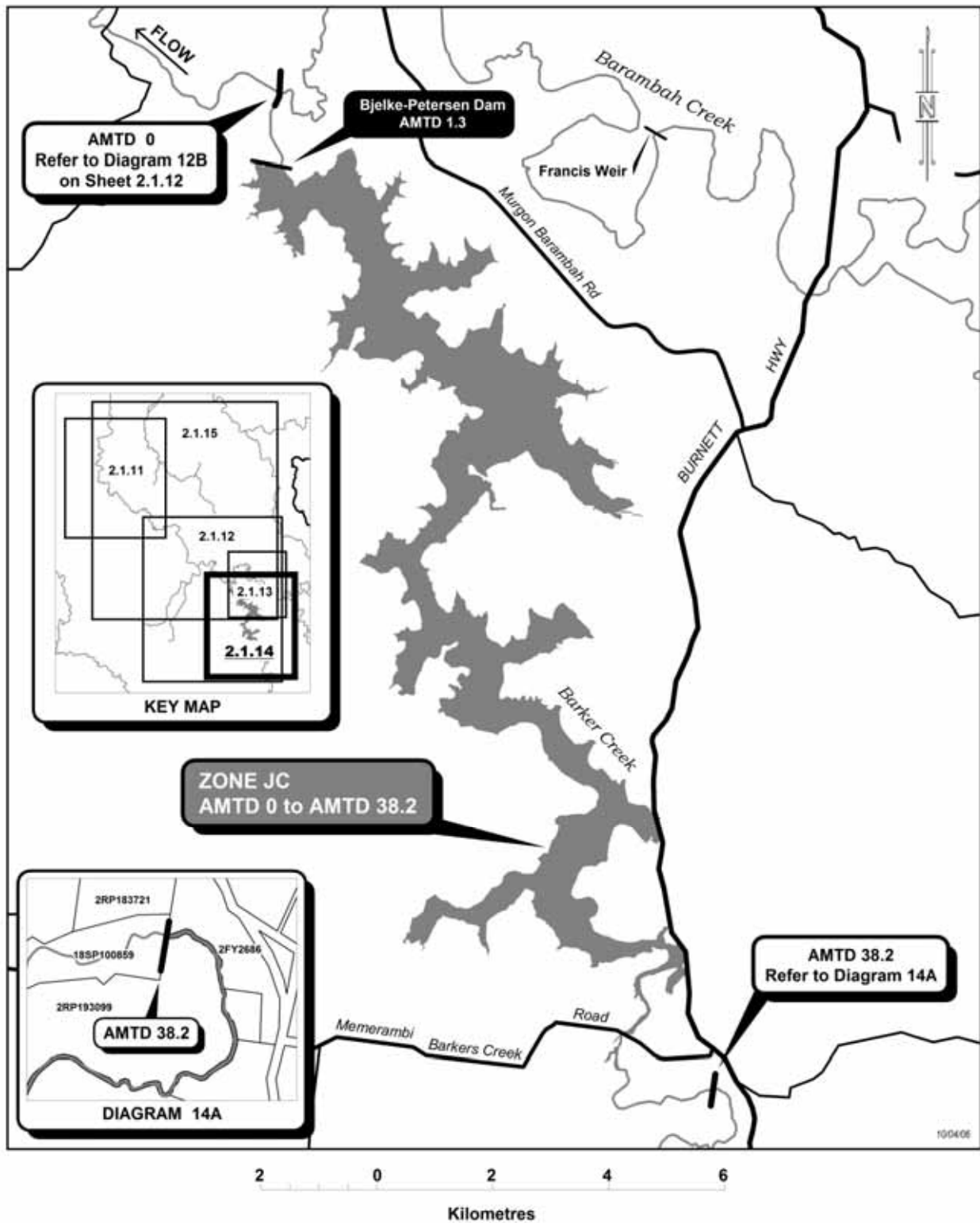


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Barker Barambah Zones HE & JA

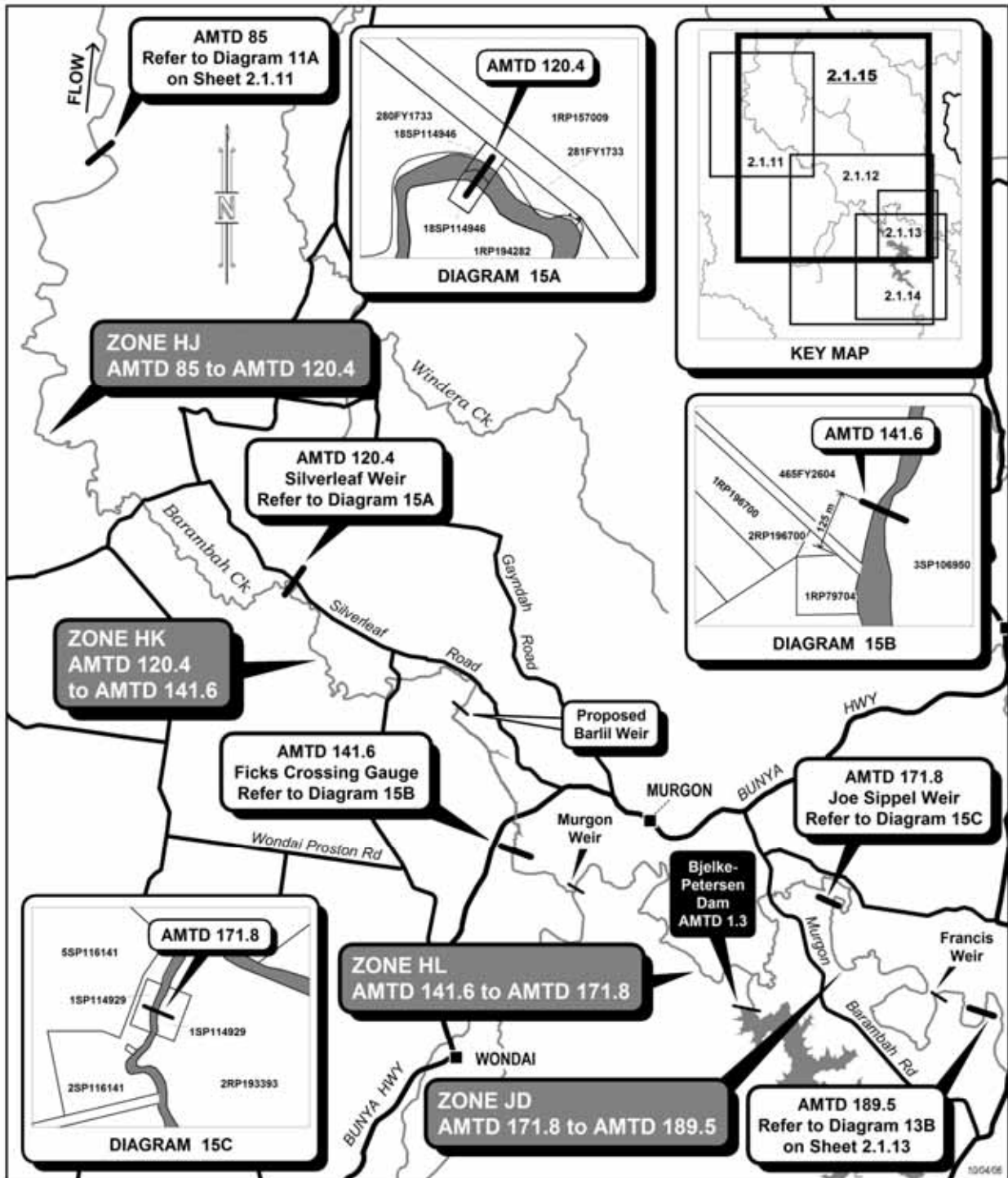


Barker Barambah Zone JC



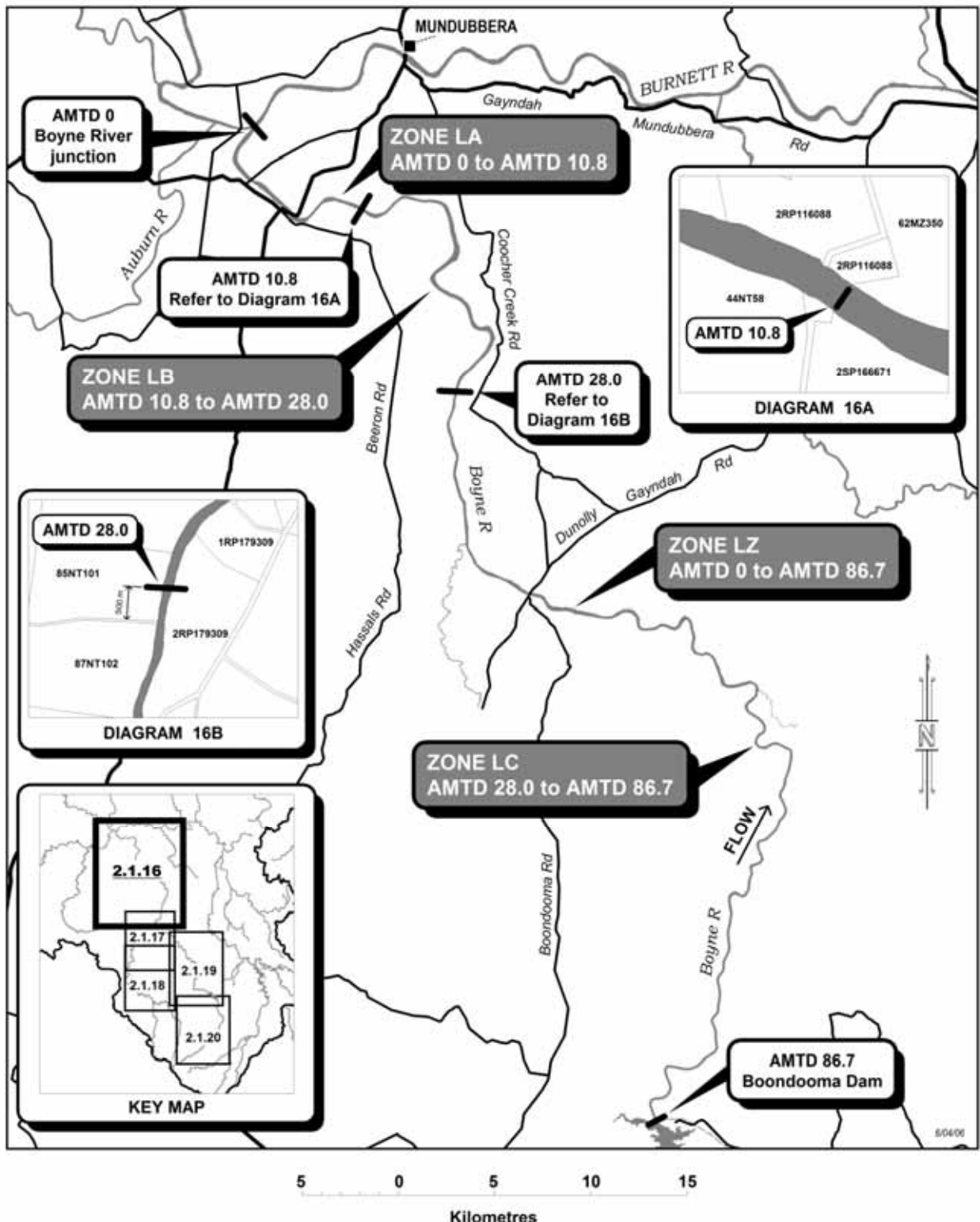
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Barker Barambah Zones HJ, HK, HL & JD



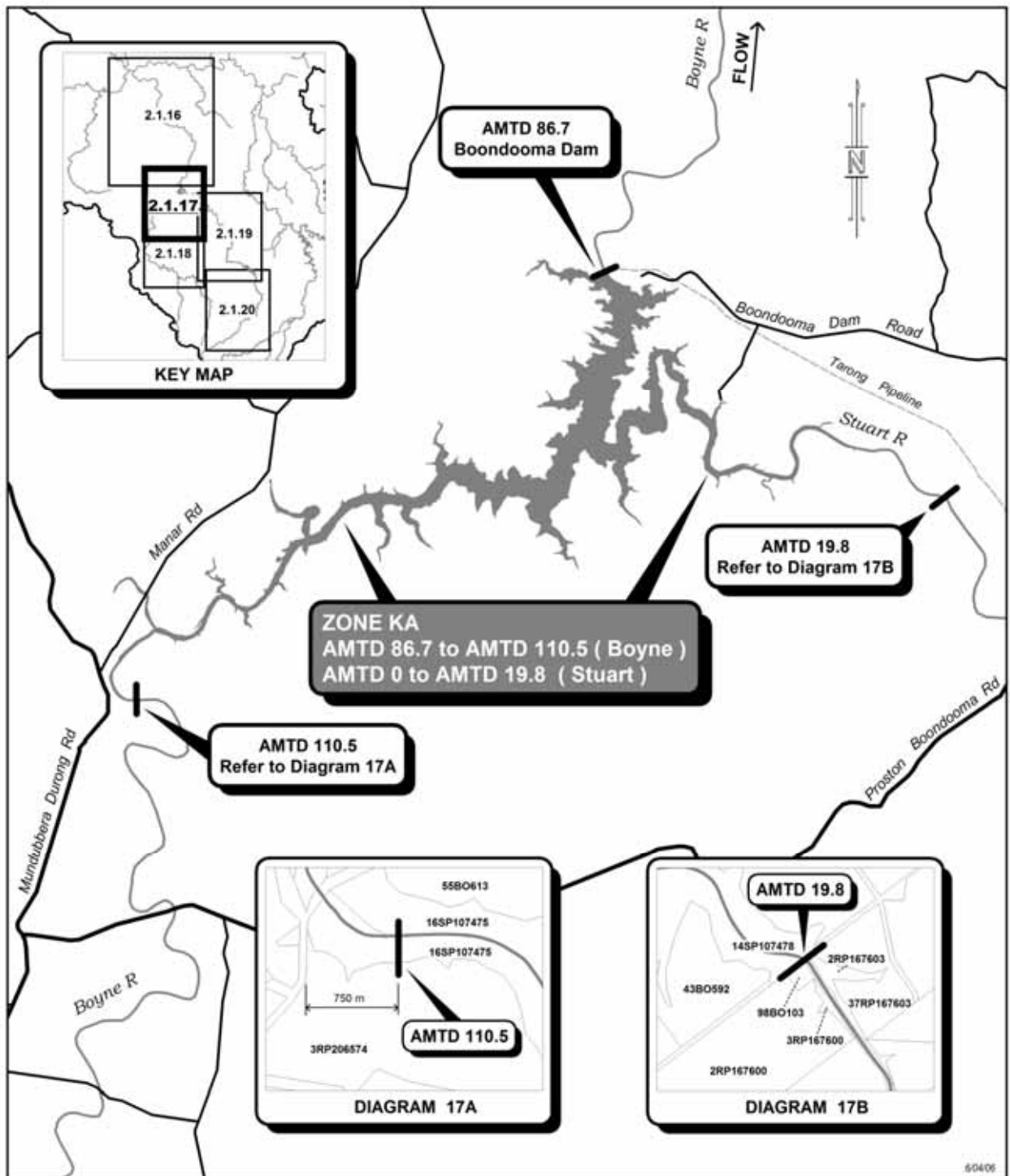
Sheet 2.1.15

Boyne Zones LA, LB, LC & LZ



Sheet 2.1.16

Boyne Stuart Zone KA

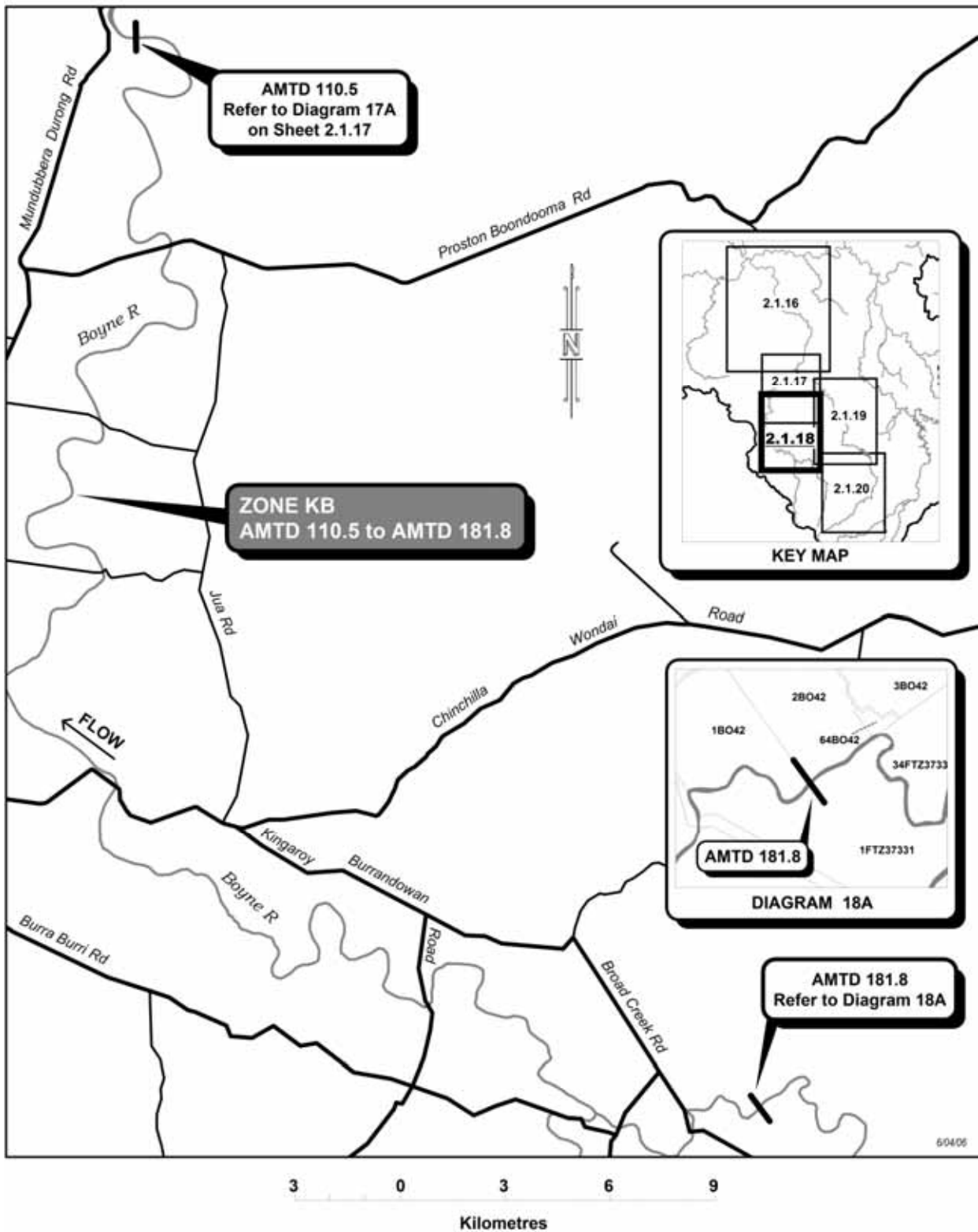


3 0 3 6 9

Kilometres

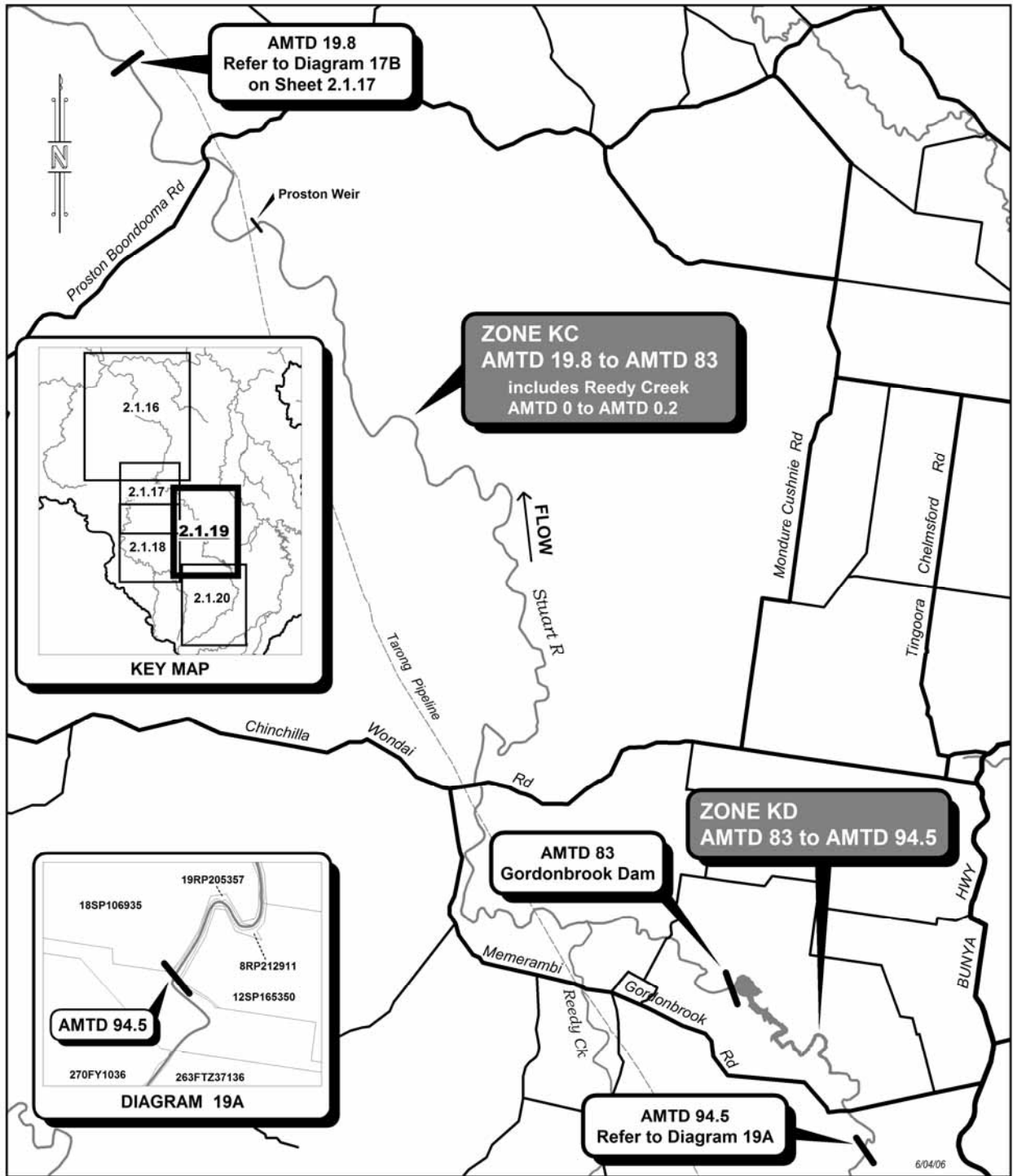
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Boyne Zone KB



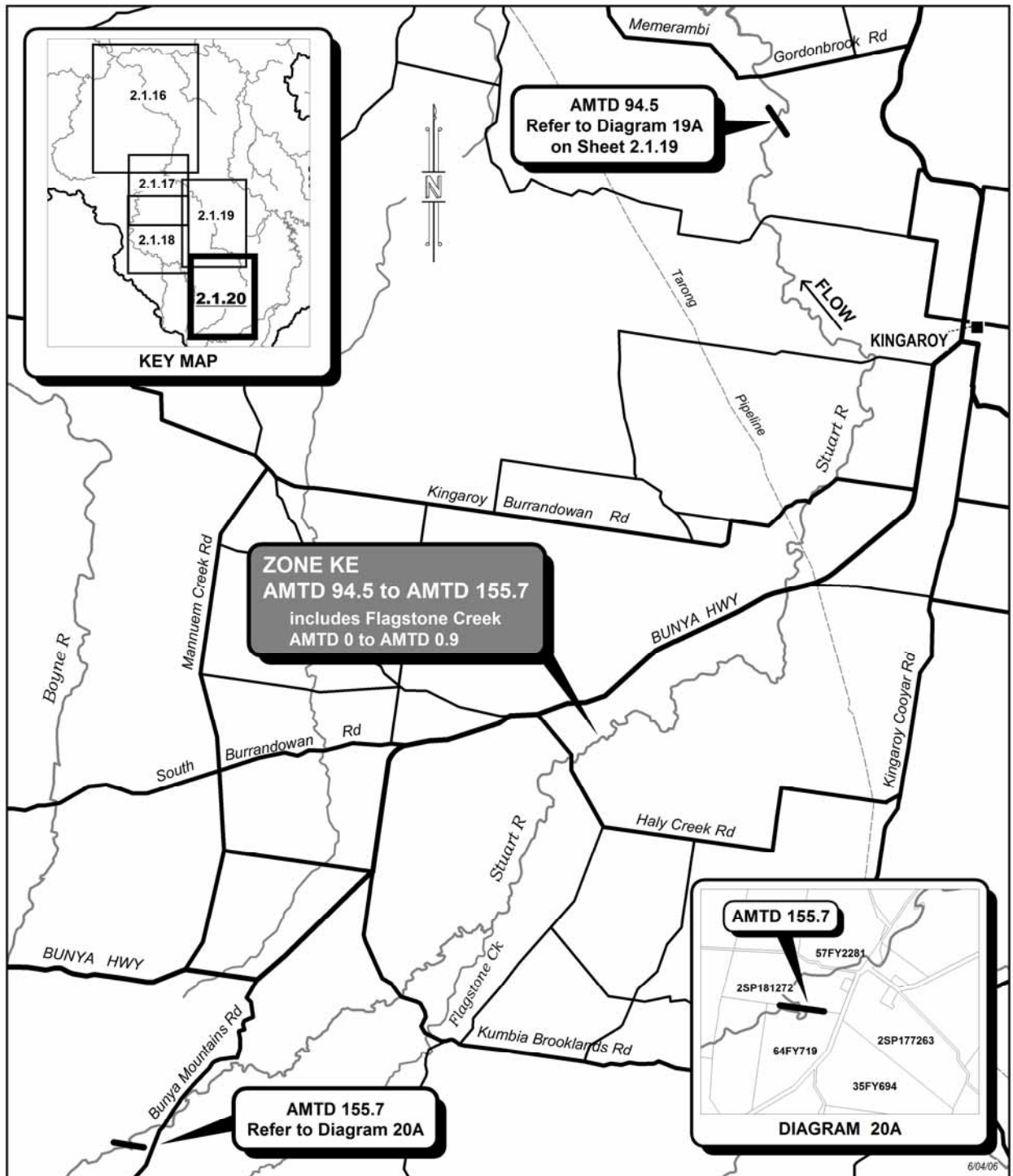
Sheet 2.1.18

Stuart Zones KC & KD



Sheet 2.1.19

Stuart Zone KE



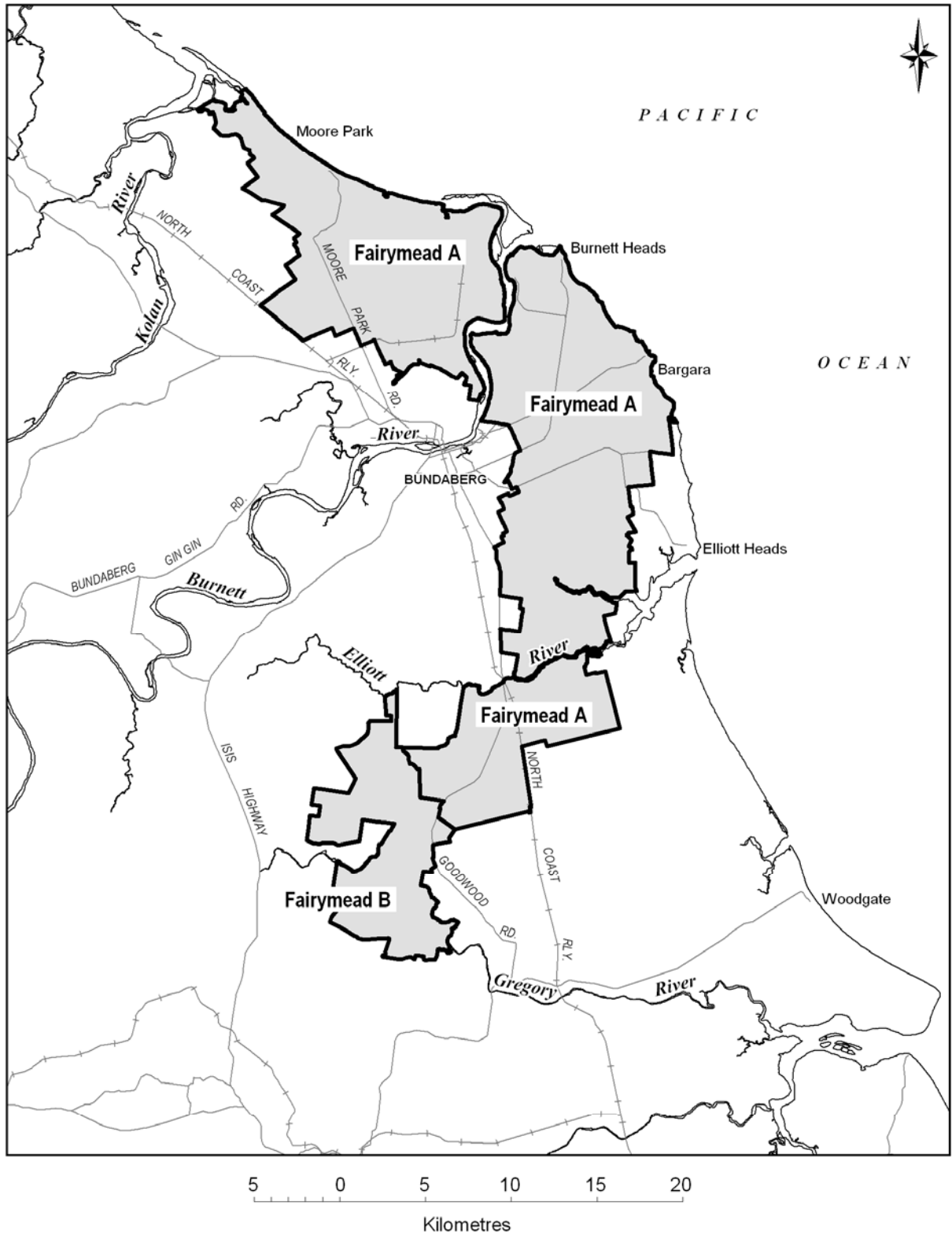
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Upper Groundwater Unit Sub-Areas



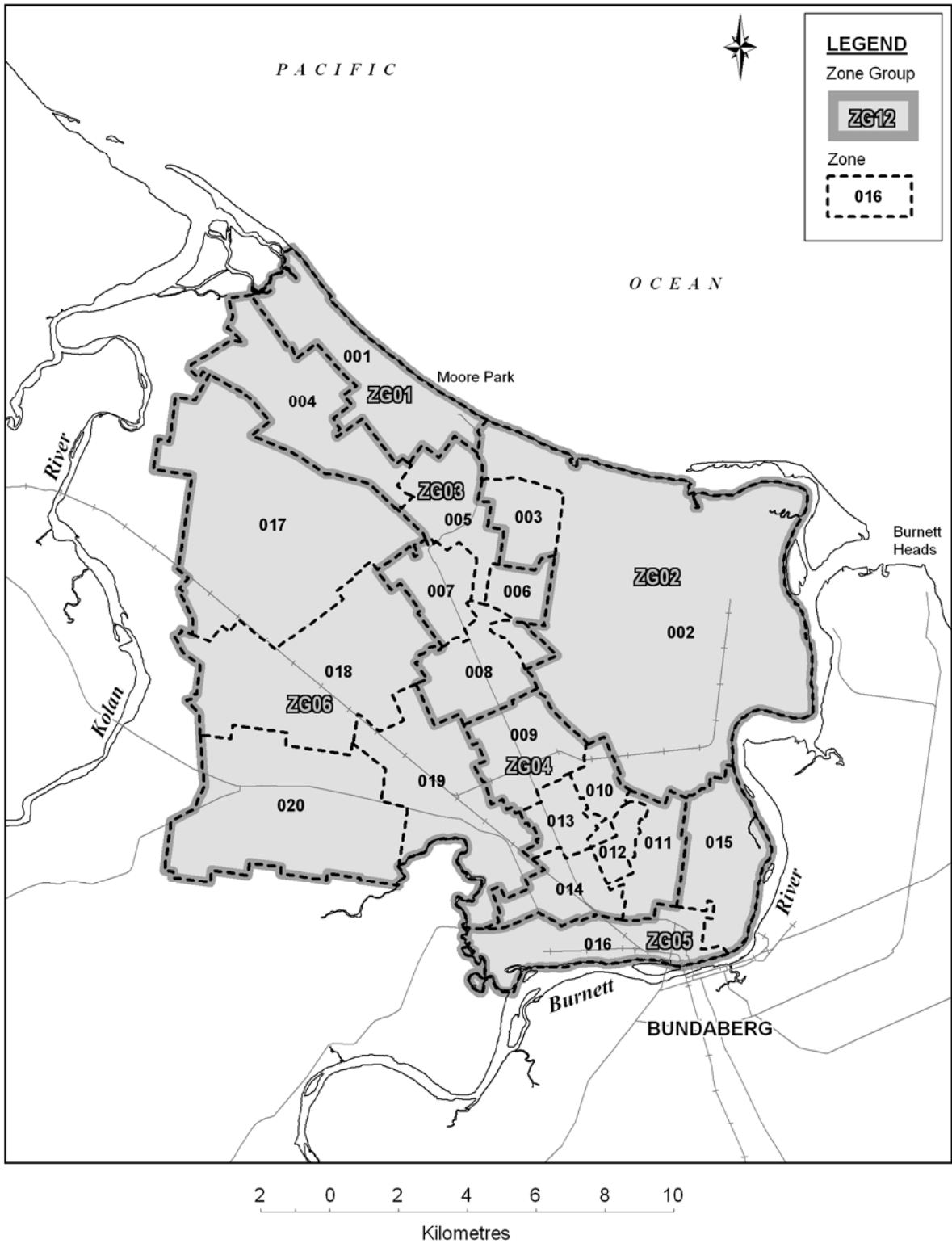
Sheet 2.3.1

Lower Groundwater Unit Sub-Areas



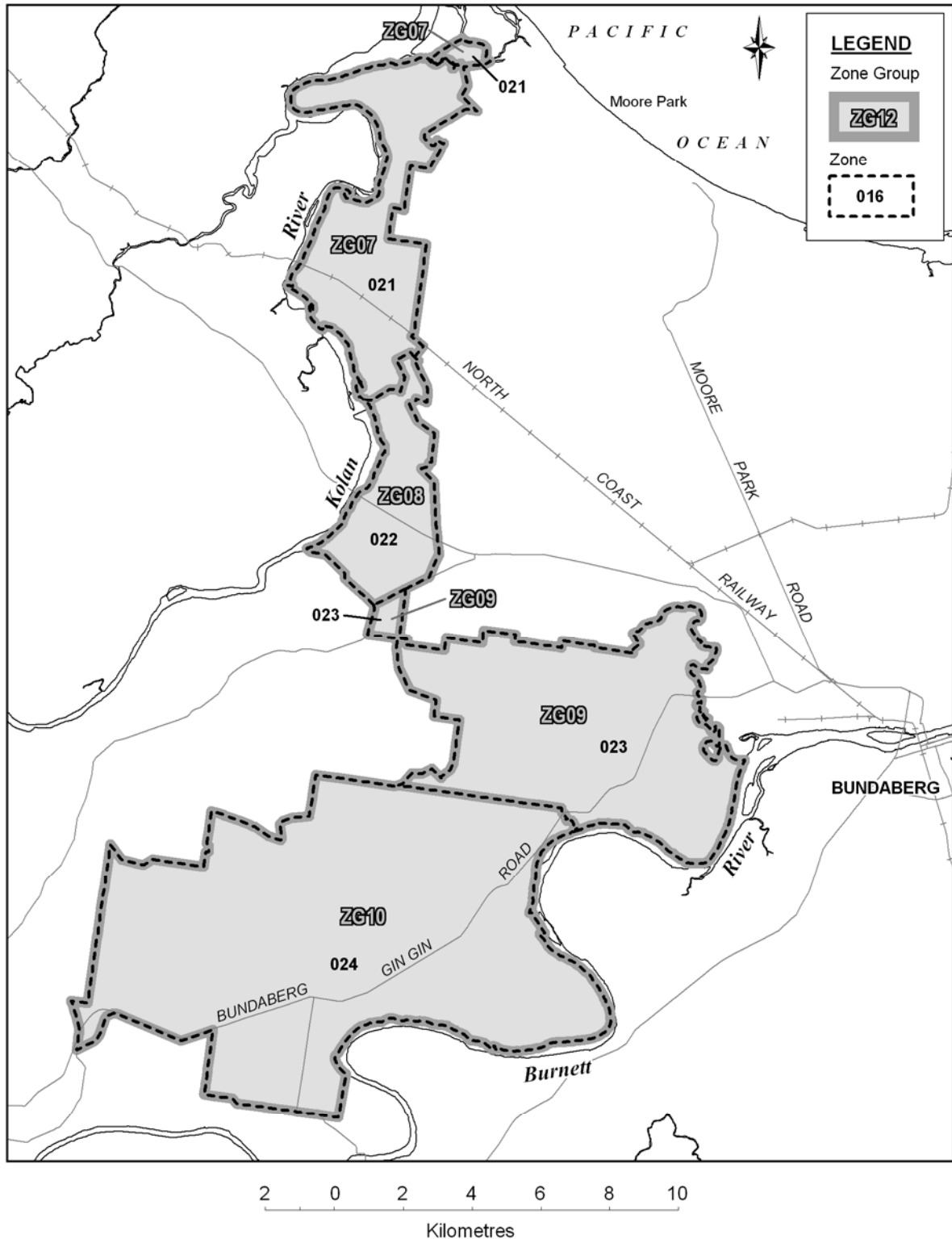
Sheet 2.3.2

Kolan Burnett A Sub-Area



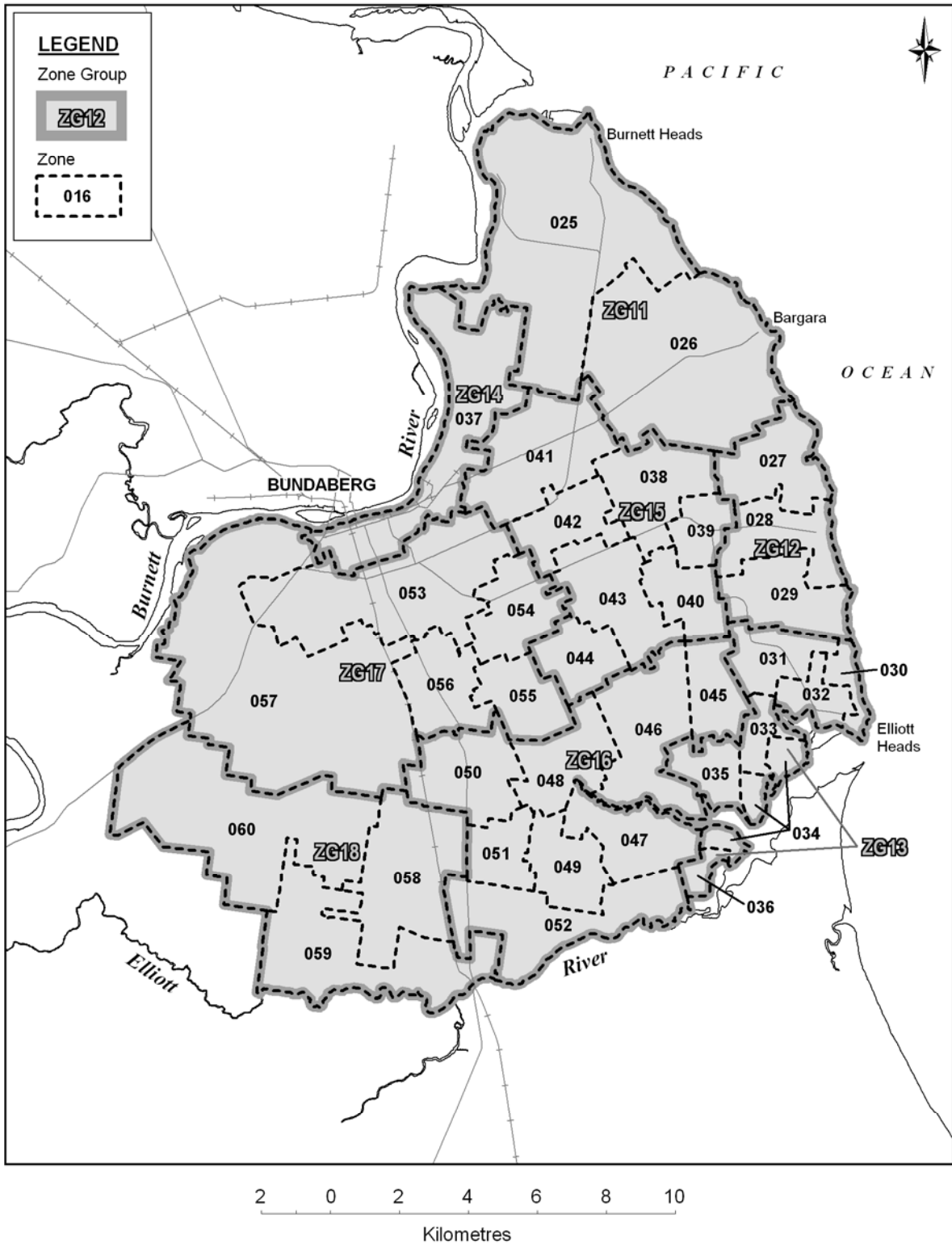
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Kolan Burnett B Sub-Area



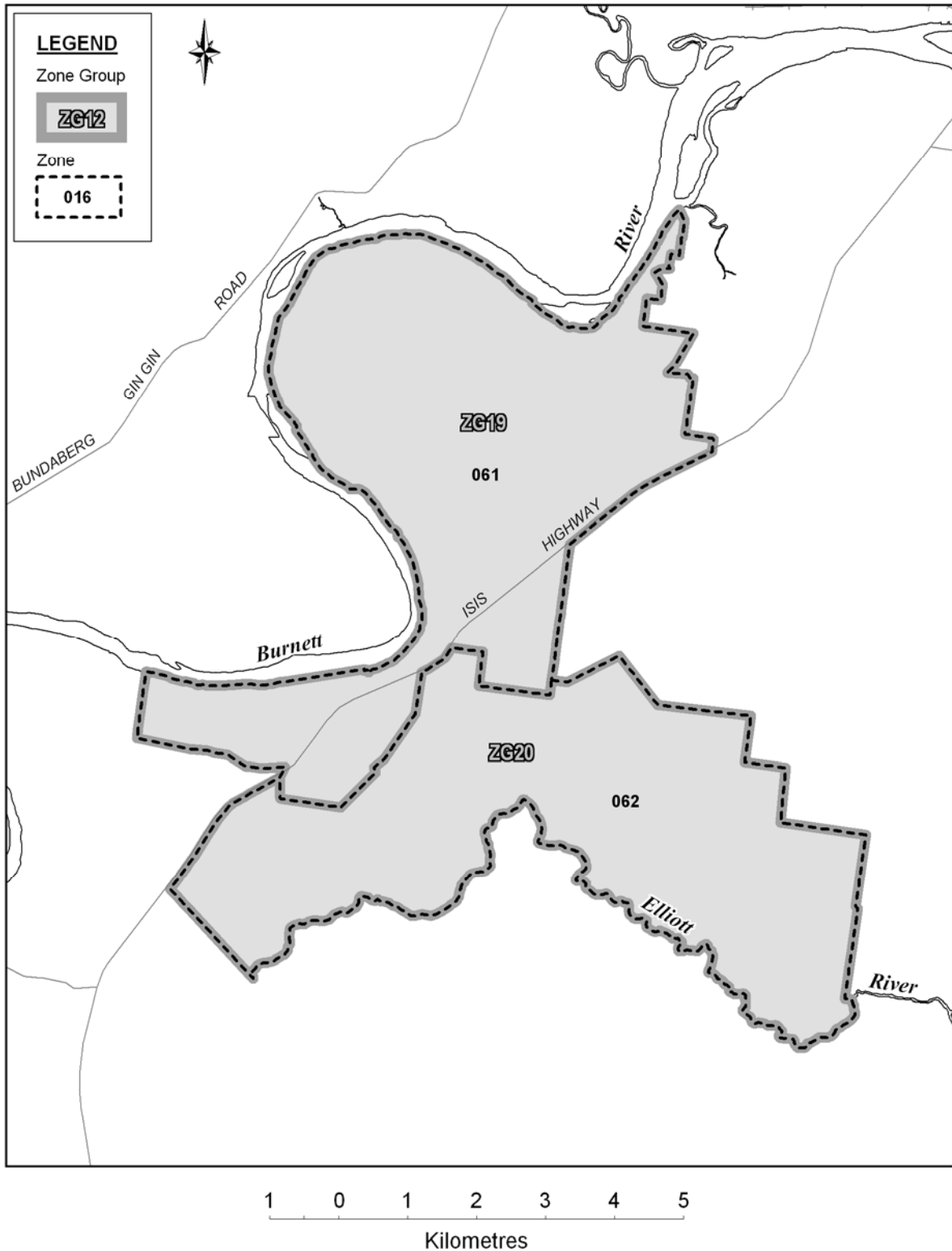
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Burnett Elliott A Sub-Area



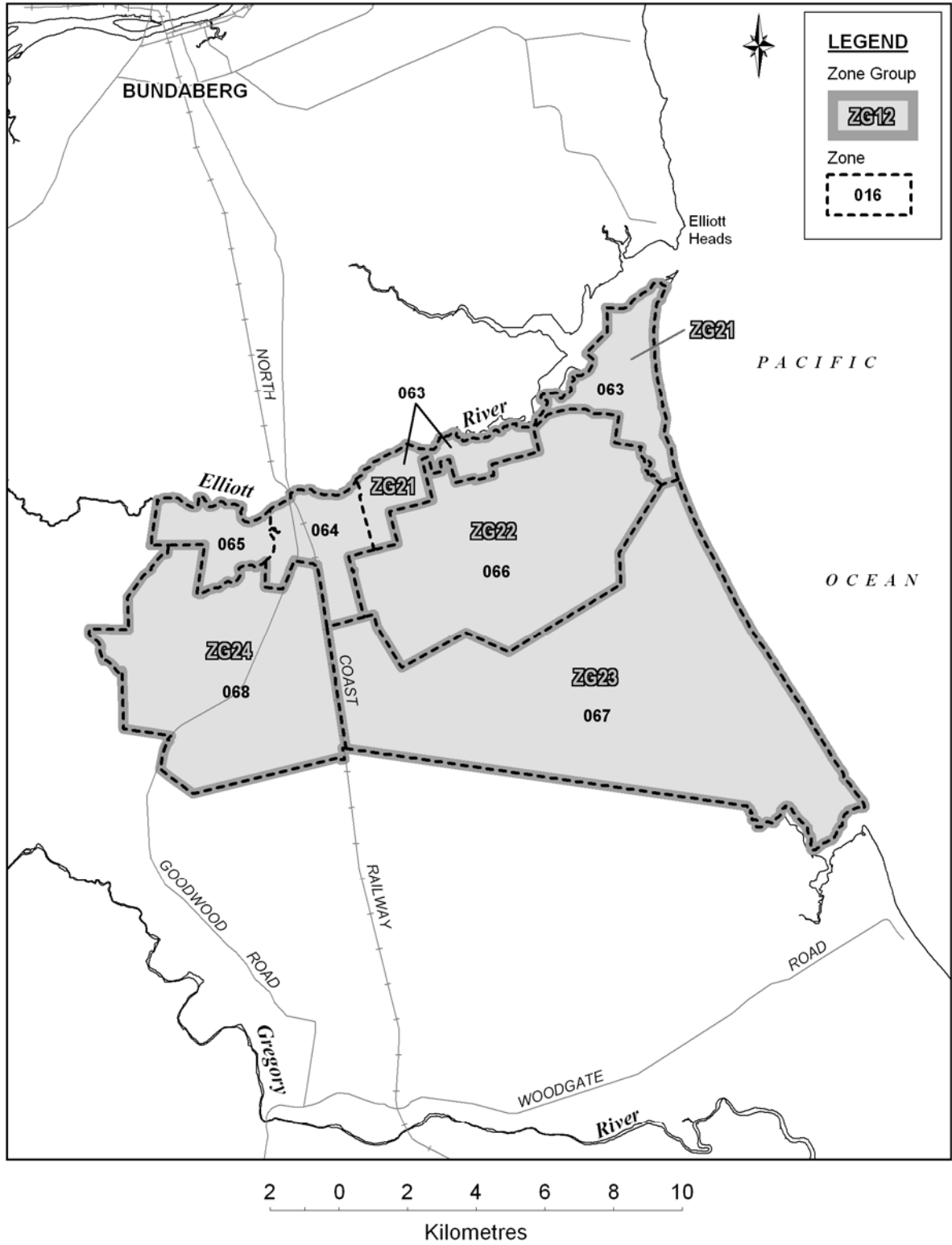
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Burnett Elliott B Sub-Area



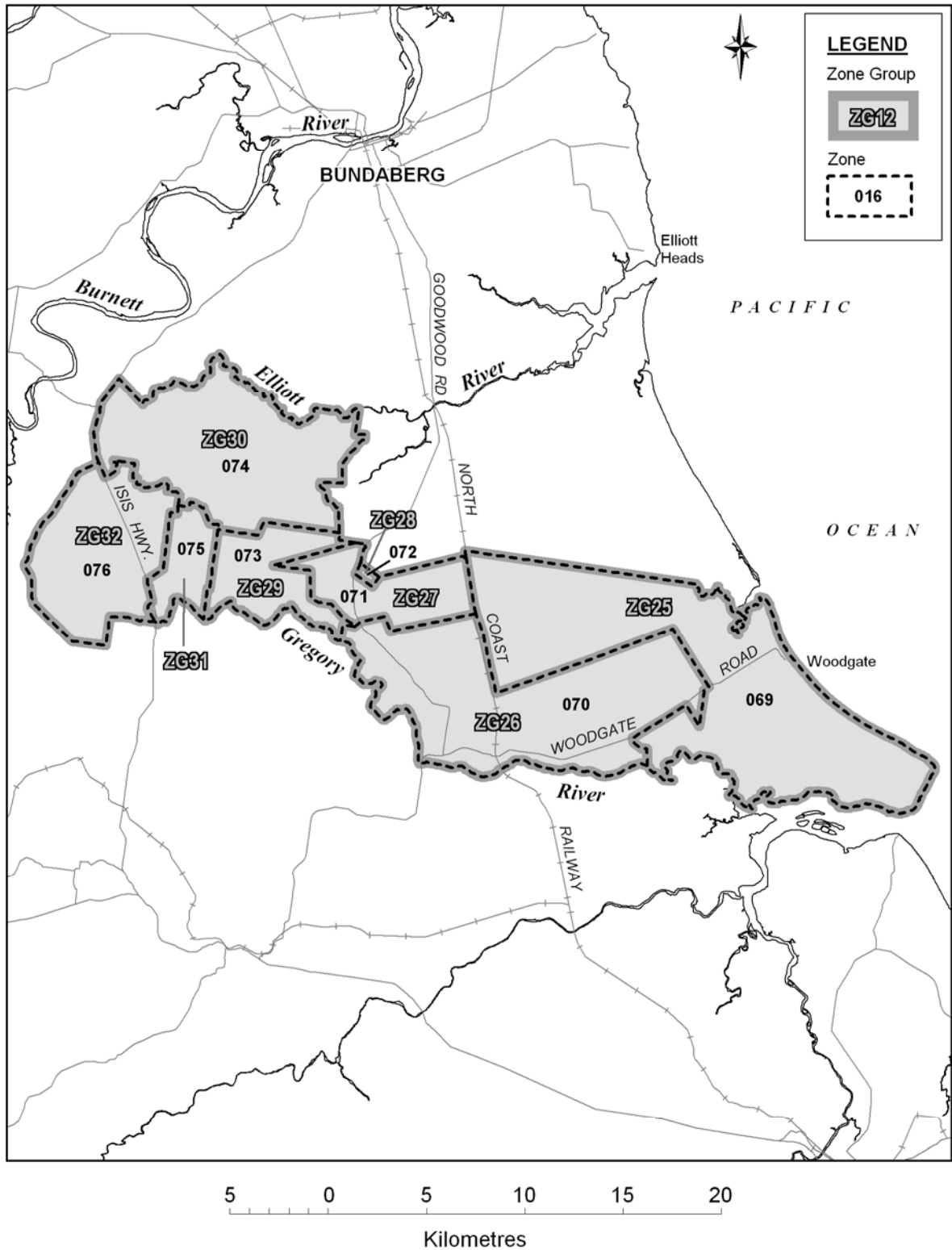
Sheet 2.3.6

Elliott Gregory A Sub-Area



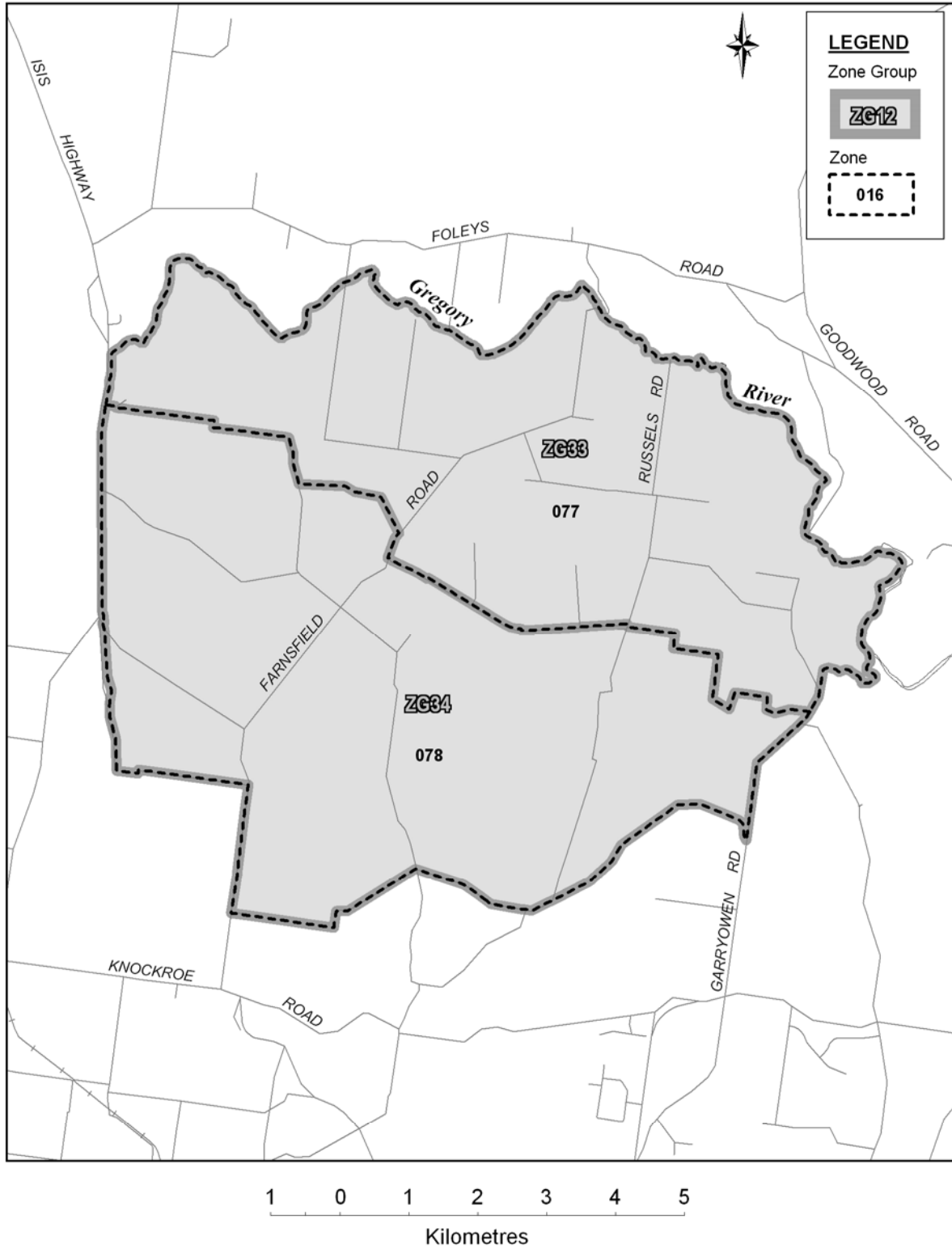
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Elliott Gregory B Sub-Area



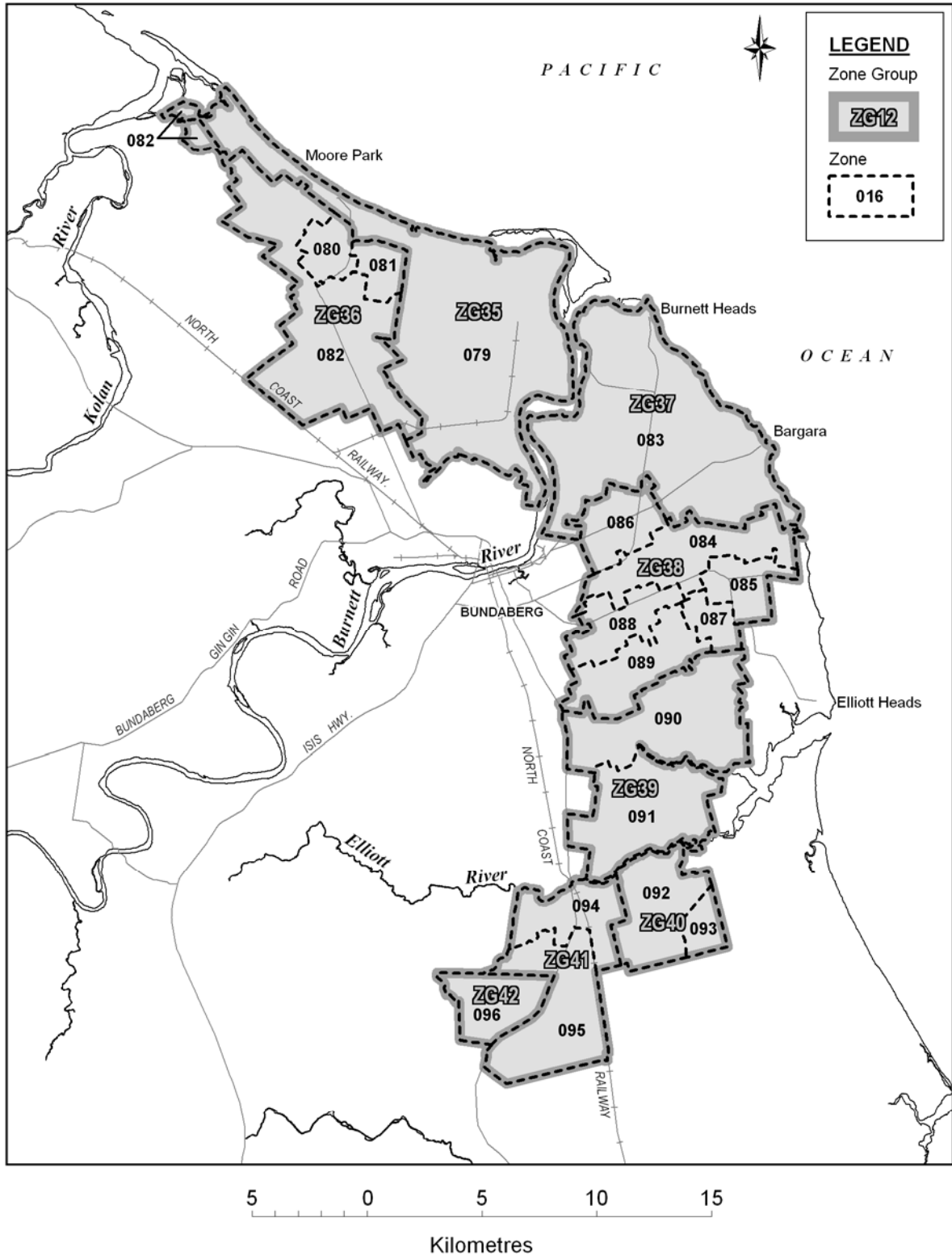
Sheet 2.3.8

Farnsfield B Sub-Area



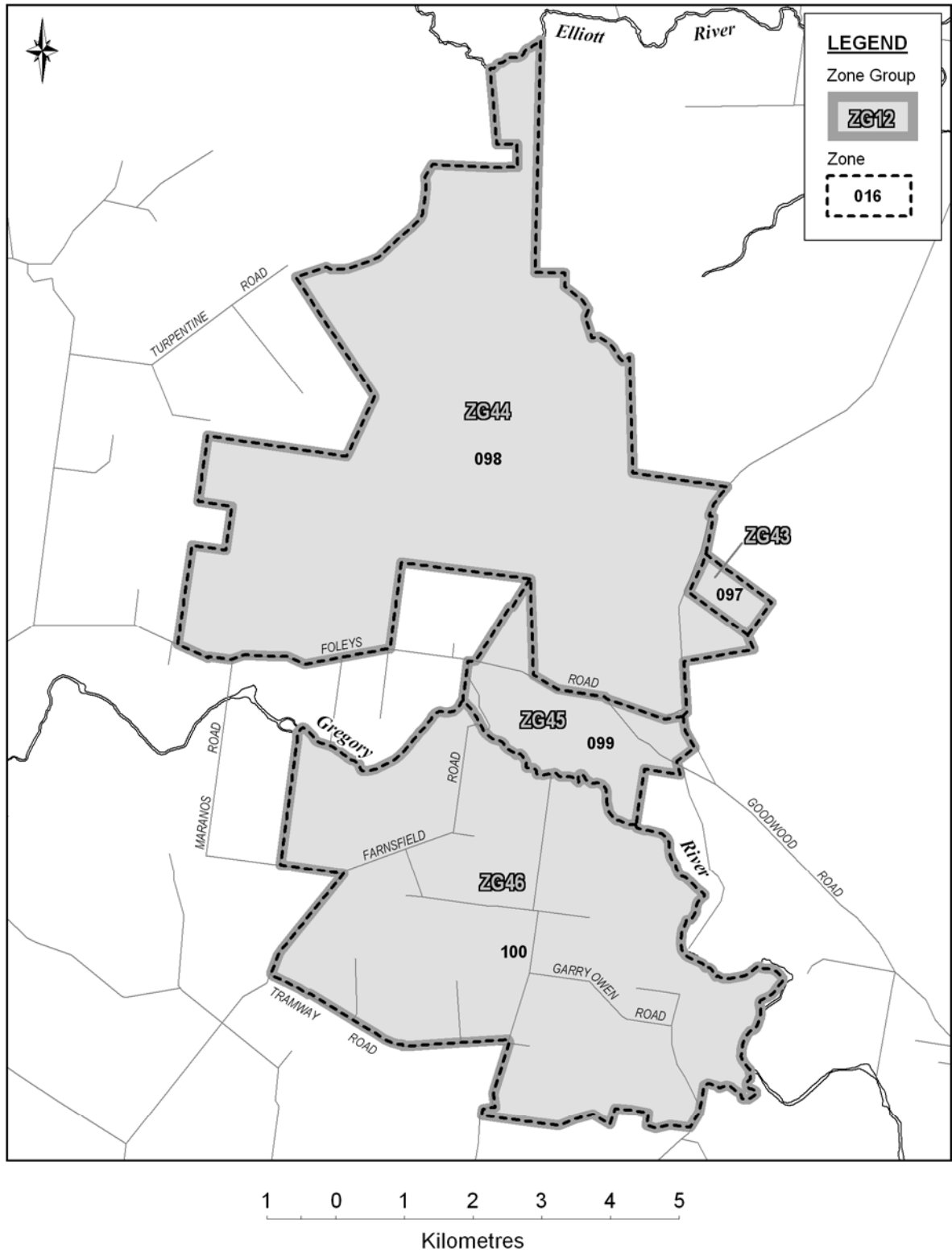
Sheet 2.3.9

Fairymead A Sub-Area



Sheet 2.3.10

Fairymead B Sub-Area



Sheet 2.3.11

Attachment

3.1

Monitoring linkages to WRP outcomes

This attachment shows the linkages between the outcomes prescribed by the WRP and the relevant ROP rules that are to achieve the outcomes, and also lists examples of monitoring that will be undertaken to assess if the outcomes are being achieved.

General outcomes

- 6(a) Water is to be managed and allocated to ensure a reliable and secure supply of water from the plan area during the time this plan is in force.**

ROP rules

Rules specified in the ROP allow available water to be shared among water allocation holders.

Monitoring

The State and the ROL holder will conduct monitoring to determine compliance with the rules.

Stream flow, water use, water loss and other factors can be modelled to assess whether parameters are within the expected range based on historical records.

- 6(b) Water is to be managed and allocated to allow water to be taken for the following purposes:**

- **urban and industrial needs;**
- **agriculture and aquaculture;**
- **stock and domestic use; and**
- **small scale uses.**

ROP rules

Rules in the ROP allow water to be traded and used for 'any' purpose. Any new water allocations that are issued will be for 'any' purpose.

Monitoring

Existing and new water allocations will be registered on the water allocation register. Information contained within the register will assist in assessing this outcome.

6(c) Water is to be managed and allocated to protect the probability of being able to obtain water under a water allocation.

ROP rules

Together the rules specified in the ROP allow for the probability of being able to obtain water under a water allocation.

Monitoring

Over time, data collected regarding water use will assist in assessing this outcome.

6(d) Water is to be managed and allocated to maintain access to unsupplemented water by holders of authorisations to take unsupplemented water.

ROP rules

Rules specified in the ROP allow for the taking of water by holders of authorisations for taking unsupplemented (unregulated) water under specific conditions.

Monitoring

Water taken under water allocations will be metered.

6(e) Water is to be managed and allocated to provide for community aspirations about –

i) providing for future water requirements in the plan area;

ROP rules

Rules specified in the ROP will allow for the release of unallocated water.

Rules specified in the ROP allow for water trading. Water trading will promote highest value use, improve water use efficiency and create surpluses without any increase in extractions.

Monitoring

Information collected for the water allocation register will help assess this outcome.

ii) maintaining areas of significant conservation values including, for example, the Auburn National Park and fish habitat areas; and

ROP rules

Operating rules allow for improved environmental flows to reach the Kolan estuary.

Monitoring

Ecological outcome monitoring will support assessment of this outcome.

- iii) **protecting species of significant conservation value, including, for example, lungfish and turtles.**

ROP rules

Operating rules require releases to be made in a way that supports a more natural flow regime.

Monitoring

Ecological outcome monitoring will support assessment of this outcome.

- 6(f) **Water is to be managed and allocated to reduce reliance on subartesian water in areas affected, or potentially affected, by saltwater intrusion.**

ROP rules

Rules specified in the ROP allow surface water to be allocated in these areas to reduce the demand on groundwater.

Monitoring

Monitoring of groundwater levels and groundwater salinity will help assess this outcome.

- 6(h) **Water is to be managed and allocated to provide for the continued use of all water entitlements and other authorisations to take or interfere with groundwater.**

ROP rules

The ROP specifies rules for converting existing water licences to water allocations, converting authorisations under section 30C of the WRP to water licences and granting agricultural dewatering licences to replace similar existing authorisations.

The ROP also details water sharing rules that provide for water allocations and water licences to continue to take groundwater.

Monitoring

Water taken under water allocations and water licences will be metered.

- 6(i) **Water is to be managed and allocated to provide water sharing rules under the resource operations plan that recognise the importance of access to groundwater for urban purposes.**

ROP rules

The rules for converting existing water licences to water allocations recognise the existing access arrangements for urban groundwater licences and the water sharing rules provide for the continuation of those access arrangements.

Monitoring

Water taken under water allocations for urban purposes will be metered.

6(j) Water is to be managed and allocated to make water available for the environment.

ROP rules

Operating rules require a more natural flow release regime for the environment.

Rules specified in the ROP limit the amount of, and access to, water taken during high flows.

Monitoring

Ecological outcome monitoring will support assessment of this outcome.

Ecological outcomes relevant to the whole Burnett Basin

7(a) Water is to be managed and allocated to maintain pool habitats, and native plants and animals associated with the habitats, in watercourses.

ROP rules

Rules specified in the ROP limit the level to which the water level in pools can be drawn down.

Monitoring

Monitoring will measure the condition of the pool habitat, and the associated plants and animals. Monitoring will include measuring macroinvertebrates, fish, riparian and aquatic vegetation, habitat and bank stability. Assessments will determine if the expected diversity and condition of the pool habitats are being maintained.

7(b) Water is to be managed and allocated to maintain long-term water quality suitable for riverine and estuarine ecosystems.

ROP rules

Operating rules require those storages with multilevel offtakes to be operated in a way that ensures that releases are of the best available quality.

Monitoring

Storage inflows, ponds and releases will be monitored for water quality. This will give an indication of how storages impact on water quality and of the effectiveness of storage operating practices.

7(c) Water is to be managed and allocated to provide flow regimes that favour native plants and animals associated with watercourses and riparian zones.

ROP rules

Operating rules require a more natural flow release regime for the environment.

Monitoring

Monitoring will involve measuring the general condition of habitat, plants and animals, and observing trends. Monitoring will include measuring macroinvertebrates, fish, riparian and aquatic vegetation, habitat and bank stability. Assessments will determine if the expected diversity and condition of the aquatic habitats are being maintained.

- 7(d) Water is to be managed and allocated to reduce saltwater intrusions in –**
i) the Gooburrum area groundwater system near Moore Park; and
ii) the Woongarra area groundwater system near Elliott Heads.

ROP rules

The ROP provides for surface water to be allocated in these areas to reduce the demand on groundwater.

Monitoring

Groundwater levels and salinity will be measured in these groundwater areas. This will help establish whether saltwater intrusion is decreasing.

- 7(e) Water is to be managed and allocated to provide wet season flow to benefit native plants and animals including, for example, fish and prawns in estuaries.**

ROP rules

Operating rules require the release of medium to high flows (wet season flows).

Monitoring

Stream flow data collected from gauging stations will be used to determine how much water passes each site from year to year compared with historical data.

Water quality measurements in the estuary will be used to determine changes in salinity during these flows. This information will help establish whether freshwater flows are reaching the estuary.

Inspection of riparian vegetation for regeneration on upper banks and scouring out of riparian vegetation, or scouring of coarse substrate on stream beds, will help assess whether medium to high flows are sufficient. Riparian vegetation community structure will also be assessed for the presence of exotic species and for any change from riparian to more terrestrial species.

Measurement of fish communities will help establish whether flows are sufficient to stimulate reproductive processes in fish.

- 7(f) Water is to be managed and allocated to improve stream flow conditions to assist the movement of fish along watercourses.**

ROP rules

Operating rules state the requirements for the meeting of EFOs and the operation of fishways.

Monitoring

Records detailing periods of fishway operation will help assess if fishways are being operated at the appropriate time of year and long enough for fish to move upstream. Fish community structure monitoring will help determine if the movement of fish is occurring throughout the basin.

Ecological outcomes relevant to specific rivers

Barambah Creek and Stuart River

- 9 Water in the Barambah Creek and Stuart River catchments is to be managed and allocated to maintain and improve existing riverine habitats that sustain native plants and animals, in the catchments.**

ROP rules

Operating rules require the release of medium to high flows.

Monitoring

Measuring the condition and trend of the aquatic ecosystem (i.e. aquatic and riparian vegetation, macroinvertebrates, fish) and observing any increase or decrease in exotic species and the abundance and diversity of native species will help determine whether existing riverine habitats are being maintained.

Boyne River catchment

- 10 Water in the Boyne River catchment is to be managed and allocated:**
- i) to maintain existing riverine habitats upstream of AMTD 5.0 km that sustain native plants and animals: and**
 - ii) to maintain and improve existing river forming process upstream of AMTD 5.0 km.**

ROP rules

Operating rules require the release of medium to high flows.

Monitoring

Measuring the condition and trend of the aquatic ecosystem (i.e. aquatic and riparian vegetation, macroinvertebrates, fish, geomorphology) and observing any increase or decrease in exotic species and the abundance and diversity of native species will help determine whether existing riverine habitats and river forming processes are being maintained.

Burnett River Basin and Burnett River

- 11(1) Water in the Burnett River basin is to be managed and allocated to, if practicable, minimise the frequency and duration of marine conditions in the estuary of the Burnett River.**

ROP rules

Operating rules are designed to meet EFOs for the Burnett estuary.

Monitoring

Records of the volumes released from Ben Anderson Barrage will be used to compare how much water reaches the estuary from year to year with historical data.

Water quality measurements in the Burnett estuary will help assess salinity within the estuary. This information will help establish whether freshwater flows are reaching the estuary.

11(2) Water in the Burnett River is to be managed and allocated to provide for lungfish habitat in the river particularly lungfish habitats downstream of Gayndah at AMTD 200 km.

ROP rules

Operating rules for Ned Churchward Weir require that water levels suitable to promote aquatic vegetation (macrophytes) survival are maintained, so that they are available for lungfish breeding.

Monitoring

The extent of aquatic vegetation (macrophytes) in the ponded area of Ned Churchward Weir will be measured. The water level in Ned Churchward Weir will be recorded daily.

Kolan River Basin

13(a) To maintain and improve existing riverine habitats, that sustain native plants and animals, in the basin.

ROP rules

Operating rules require the release of medium to high flows.

Monitoring

Measuring the condition and trend of the aquatic ecosystem (i.e. aquatic and riparian vegetation, macroinvertebrates and fish) and observing any increase or decrease in exotic species and the abundance and diversity of native species will help determine whether existing riverine habitats are being maintained.

13(b) To maintain and improve existing estuarine habitats, particularly in fish habitat areas that:

i) sustain native plants and animals; and

ROP rules

Operating rules require medium to high flow releases to increase flows to the Kolan estuary.

Monitoring

Monitoring will involve measuring the condition of habitat and plants in the estuarine zone and observing trends. Monitoring will include measuring mangroves and habitat. Assessment will determine if the expected diversity and condition of estuarine habitats are being maintained.

ii) **are dependent on estuarine processes**

ROP rules

Operating rules require medium to high flow releases to increase flows to the Kolan estuary.

Monitoring

Records of releases from the Kolan Barrage will be used to assess how much water reaches the estuary from year to year compared to historical data.

Water quality measurements in the Kolan estuary will help assess estuarial salinity.

13(c) To maintain and improve river-forming processes in the basin.

ROP rules

Operating rules require the release of medium to high flows.

Rules specified in the ROP limit the volume of water and access to high flow events to allow for river-forming processes to occur.

Monitoring

Stream flow data collected from gauging stations will determine the magnitude of high flow events.

Geomorphic assessment of the river will determine the river-forming processes that are under way. Due to the natural variability of high flow events, a high flow event may occur only once, if at all, during the life of this plan.

Coastal Burnett groundwater management area

13A(a) To maintain or improve the availability of groundwater to sustain native plants and animals that are dependent on groundwater.

ROP rules

Water sharing rules and water allocation change rules consider the water requirements of native plants and animals.

Monitoring

Measuring groundwater levels and connectivity with surface water levels will be used to improve understanding of the dependency of plants and animals on groundwater.

13A(b) To maintain or improve the flow, level, pressure and quality of groundwater to sustain riverine, estuarine and marine processes.

ROP rules

Water sharing rules, environmental management rules and water allocation change rules are designed to maintain or improve the flow, level, regional gradient and quality of groundwater.

Monitoring

Measurement of groundwater levels will be used to improve understanding of the dependency of plants and animals on groundwater. Further research will be used to determine the level of interaction with coastal and marine ecosystems.

13A(c) To prevent further seawater intrusion.

ROP rules

Water sharing rules, environmental management rules and water allocation change rules are designed to prevent further seawater intrusion.

Monitoring

Measurement of groundwater levels and water quality will be used to inform environmental management rule decisions and in the long term to monitor the extent of and changes to the seawater intrusion wedge over time.

Attachment**32****Monitoring: Water quality and quantity**

Water quality and quantity monitoring will consist of data collected by the chief executive.

1 Flow measurement

The chief executive will implement and maintain a water quantity monitoring program in accordance with, or to a higher standard than, that prescribed in the Water Monitoring Data Collection Standards, which can be found on the DERM website. The program will measure and record continuous time series stream flow data at sites listed in Table 1. Figure 3.2.1 shows the location of stream flow sites for the chief executive and the ROL holder.

2 Water quality

Water quality monitoring in water management areas will be undertaken as part of NRW's water quality program's Surface Water Ambient Network. Ambient water quality network sites are indicated in Table 1. Parameters measured on site include water temperature, pH, electrical conductivity, dissolved oxygen and turbidity. Water sample parameters analysed in a laboratory include general parameters and nutrients (e.g. total nitrogen and total phosphorus).

Table 1: State Government gauging station locations

Stream	Location	Stream Flow	Water Quality	AMTD	Site Identifier
Auburn River	Glenwood No 2	✓	✓	37.9	GS 136305A
Burnett River	Figtree Creek	✓	✓	119	GS 136007A
Burnett River	Mount Lawless	✓		184	GS 136002D
Burnett River	Gayndah Flume	✓	✓	201.3	GS 136017B
Burnett River	Jones Weir tailwater	✓		240	GS 136094A
Burnett River	Jones Weir headwater	✓		240.1	GS 136004A
Burnett River	Eidsvold	✓	✓	291.1	GS 136106A
Burnett River	Ceratodus	✓		321.1	GS 136103B
Burnett River	Yarrol	✓		380.8	GS 136112A
Cadarga Creek	Brovinia Station	✓		41.7	GS 136306A
Degilbo Creek	Coringa	✓		13	GS 136011A
Eastern Creek	Lands End	✓		8.9	GS 136118A
Gin Gin Creek	Dam site	✓	✓	21.1	GS 135004A
Kolan River	Springfield	✓	✓	135	GS 135002A
Reids Creek	Dam site	✓	✓	48.8	GS 136006A
Barambah Creek	Ban Ban	✓	✓	35.2	GS 136207A
Barambah Creek	Litzows	✓		186.1	GS 136202D
Barambah Creek	West Barambah	✓	✓	192.8	GS 136213A
Barker Creek	Glenmore	✓	✓	43.5	GS 136209A
Barker Creek	Brooklands	✓	✓	104.6	GS 136203A
Boonara Creek	Ettiewyn	✓	✓	22.6	GS 136208A
Boyne River	Derra	✓		4.6	GS 136318A

Stream	Location	Stream Flow	Water Quality	AMTD	Site Identifier
Boyne River	Cooranga	✓		31.8	GS 136319A
Boyne River	Carters	✓		120.9	GS 136315A
Stuart River	Proston Rifle Range	✓	✓	24.1	GS 136304A
Stuart River	Weens Bridge	✓		97.1	GS 136301B

✓ denotes that this monitoring occurs at this location

3 Groundwater

The chief executive will monitor water levels for each groundwater unit in the Coastal Burnett GMA using the groundwater monitoring network. Salinity profiles will be measured at strategic sites to monitor the extent of seawater intrusion.

4 Entitlement metering

1. The taking of water under a water allocation must be metered.
2. The taking of water under a water licence to which this plan applies must be metered.
3. Metering the take of unsupplemented water to which this plan applies must be in accordance with the arrangements prescribed by regulation made under the Water Act.
4. The ROL holder must meter, in accordance with National Standards, all water allocations managed under the ROL.
5. This section does not apply to water entitlements where the purpose is stated as stock and domestic.

Figure 3.2.1: Gauging Stations covered by this ROP



Attachment**3.3****Monitoring: Natural ecosystems****1 Introduction**

The natural ecosystem monitoring has been based on information used by the Technical Advisory Panel¹ (TAP) to assess the current condition and trend in the project areas in the Burnett Basin. Data used by the TAP included information on fish, riparian and aquatic vegetation, macroinvertebrates, geomorphology, water quality, and hydrology. Collection of further information on indicators used by the TAP at similar sites will build knowledge and understanding of the Burnett Basin. The TAP information includes predicted changes in condition based on the adopted scenario in the WRP, therefore it is possible to determine if these changes have occurred. The indicators selected for the monitoring program have been based on the level of current scientific knowledge and understanding, and on the TAP reports.

A summary of the natural ecosystem monitoring is contained in Table 1 and the related ecological outcomes as defined in the WRP are identified. The type of assessment that will be performed, site names and frequency are contained in this table. Locations of sites are shown in Figure 3.3.1. Further details of parameters collected are listed in Section 2.

Table 1: Summary table of natural ecosystem monitoring

Assessment Type²	Frequency	Ecological Outcomes³
Geomorphology Field Survey	Spring Years 1, 4 and 8 ⁴	7(c), 10 (b), 13(c)
Geomorphic Assessment of Rivers	Years 1 and 8	7(c), 13(c)
Riparian Vegetation	Spring Years 1, 4 and 8	7(a), 7(c), 7(e), 9, 10(a), 11(2), 13(a)
Aquatic Vegetation	Spring and Autumn	7(a), 7(c), 7(e), 9, 10(a), 11(2), 13(a)
Aquatic Habitat	Spring and Autumn	7(a), 7(c), 7(f), 9, 10(a), 13(a)
Macroinvertebrates	Spring and Autumn	7(a), 7(c), 9, 13(a)
Riverine Water Quality	Spring and Autumn	7(b), 11(1), 13(b), 13A(b)
Fish	Annually	7(c), 7(e), 7(f), 9, 13(a)
Mangroves	Spring Years 1, 4 and 8	11(1), 13(b)
Groundwater-dependent ecosystems	As required – Subject to dependency type and groundwater levels	13A(a), 13A(b)
Seawater intrusion	As required	13A(c)

¹ The TAP was established by NRW to assist with development of the WRP.

² Locations specified in Table 2.

³ Ecological outcomes are listed in full in Attachment 3.1.

⁴ To be completed in year after commencement of amended ROP and Year 8 of ROP for subcatchments included after release of initial ROP.

2 Natural ecosystem monitoring summary details

2.1 Geomorphology

A geomorphic assessment of the Burnett Basin will be conducted in years one and eight. This analysis will determine the behaviour and character of the rivers. This assessment will help determine if the behaviour of the streams has altered during the life of the plan.

A geomorphic survey will be conducted at sites and at times specified in Table 2 to determine:

- rates of aggradation (deposition); and
- rates of degradation.

If an event of five-year average recurrence interval (ARI) occurs at a site, a geomorphic survey will be conducted at that site within six months following the event. This 'event' monitoring may replace scheduled monitoring.

2.2 Riparian vegetation

A survey of riparian vegetation will be performed at sites specified in Table 2 in years one, four and eight in spring to determine:

- the diversity and abundance of plants;
- the community structure of the riparian zone (e.g. age range of plants, regeneration);
- projected foliage cover;
- the ratio of native and exotic species; and
- the level of disturbance within the zone (e.g. grazing, cropping, fire).

2.3 Aquatic vegetation

A survey of aquatic vegetation will be performed at sites specified in Table 2 twice each year in spring and in autumn to determine:

- diversity and abundance of plants;
- community structure;
- ratio of native and exotic species; and
- level of disturbance within the zone.

2.4 Water quality

Water quality will be collected at sites specified in Table 2 each time a site is visited.

Water quality parameters include:

- temperature;
- pH;
- electrical conductivity; and
- dissolved oxygen.

Water quality data collected by the ROL holder, specified in Attachments 4.1G, 4.2G, 4.3G and 4.4G, and data collected by NRW specified in Attachment 3.2, will be used to help with this assessment.

2.5 Aquatic habitat

Collection of aquatic habitat data will occur at sites specified in Table 2 twice each year in spring and in autumn to determine the diversity and condition of aquatic habitats available under different flows. Aquatic habitat data involves identifying the habitats present and the condition (e.g. substrate type, presence of large woody debris).

2.6 Macroinvertebrates

Collection of macroinvertebrates will occur at sites specified in Table 2 twice per year in spring and in autumn to determine:

- community structure.

This information can be used to determine:

- functional feeding groups;
- flow preference groups;
- SIGNAL index; and
- PET richness.

2.7 Fish

Collection of fish data will occur at sites specified in Table 2 annually to determine:

- fish community structure.

2.8 Estuarine monitoring

Monitoring for the Burnett and Kolan estuaries will consist of water quality profiles and mangrove community structure.

Monthly water quality profiles will be performed at the estuarine sites specified within Table 2. Water quality parameters will include:

- temperature;
- pH;
- electrical conductivity; and
- dissolved oxygen.

A survey of mangrove zones will be performed at the estuarine sites specified in Table 2 in years one, four and eight in spring to determine:

- the diversity and abundance of mangrove species;
- the community structure (e.g. age range of plants, regeneration); and
- the level of disturbance within the zone.

2.9 Groundwater-dependent ecosystems (GDEs)

2.9.1 Coastal Burnett Groundwater Management Area

Previous assessments have identified a number of potential GDEs within the Coastal Burnett GMA. A review of the previously identified GDEs and an assessment of additional GDEs will be undertaken and a monitoring program will be developed and implemented accordingly.

An assessment will be undertaken to improve understanding of vegetation dependencies on groundwater. In addition an assessment of the relationship between groundwater levels and surface water features at selected sites will be conducted.

3 Sampling frequency

The frequency that parameters are sampled is based on the rate of change for each parameter. As geomorphic processes occur over large time frames, effects may take decades to appear. It is for this reason that geomorphic assessment is performed twice during the ten years of the WRP.

Fish are a relatively long-lived and mobile species; they therefore reflect conditions of ecosystem health over broad spatial and temporal scales. In determining if the management strategies within the WRP are having a positive effect on the fish community structure, a long-term analysis is required. Annual monitoring rather than seasonal monitoring will provide the Department with enough information to pick up long-term trends in fish community structure. To minimise the effects of seasonality within the sampling, it is a requirement that the fish sampling is carried out within the same season each year.

Riparian vegetation, including mangroves, also changes over time though more quickly than geomorphic processes and as a result data will be collected three times during the ten years of the WRP.

Aquatic vegetation, macroinvertebrates and habitat availability are more reliant on seasonal stream flow and so will change season to season. It is for this reason that aquatic vegetation is sampled twice each year in spring and autumn. Spring sampling, October to December, is the early wet when flow has been established for at least four weeks. Autumn sampling, May to July, is the late wet when flow has declined to a level suitable for sampling, without significant flood peaks.

Sampling during these seasons will show the natural variation of the riverine habitat between seasons. The spring sampling would find habitats of low flow with more 'stressed' plants following the winter. The autumn sampling would find habitats of higher flows, with vegetation showing regeneration and more vigour after the wet season.

4 Site locations

4.1 Surface water

Information will be collected from the sites specified in Table 2. Locations of the sites are shown in Figure 3.3.1. Given the numerous types of monitoring and the specific habitats required at each site, monitoring will occur as close as possible to the specified AMTD. These sites identify a section of river reach rather than an exact location where monitoring will occur. Fish sampling, riparian vegetation and geomorphology monitoring will require suitable locations for monitoring to be effective, for example, representative pools for fish monitoring, appropriate riverbank locations for riparian vegetation monitoring and instream sites for geomorphology surveys. Once chosen, the specific monitoring sites will be identified and used for the

remainder of the monitoring program. Natural ecosystem monitoring will occur within riverine sections, unless specific storage impoundment monitoring is required.

4.2 Groundwater

Monitoring in relation to groundwater levels and groundwater quality will occur at sites in accordance with the department’s approved monitoring networks. Monitoring of groundwater dependent ecosystems will occur at selected sites across the Coastal Burnett GMA.

The chief executive must measure and collect data as follows:

- Groundwater levels to fulfil the requirement of the water sharing rules in Attachments 6.1B and 6.2B;
- Conductivity salinity profiles at strategic sites to determine the seawater intrusion index in section 3.1.3 of Attachment 6.1B.

River Reach Locations	Geomorphology Field Survey	Geomorphic Assessment	Riparian Vegetation	Aquatic Vegetation	Water Quality	Aquatic Habitat	Macroinvertebrates	Fish	Mangroves
Burnett River		✓							
Yarrol (AMTD 380.8)	✓		✓	✓		✓	✓	✓	
Eidsvold (AMTD 291.1)	✓		✓	✓	✓	✓	✓	✓	
Mundubbera (AMTD 240)	✓		✓	✓	✓	✓	✓	✓	
Gayndah (AMTD 203)	✓		✓	✓	✓	✓	✓	✓	
Figtree Creek (AMTD 119)	✓		✓	✓	✓	✓	✓	✓	
Ned Churchward Weir tailwater (AMTD 74.1)	✓		✓	✓	✓	✓	✓	✓	
Burnett Estuary (AMTD 0, 4.8, 8.5, 11.4, 14.7, 17.4, 20.3, 23.5)					✓				✓
Kolan River		✓							
Springfield (AMTD 135)	✓		✓	✓	✓	✓	✓	✓	
Bucca Weir tailwater (AMTD 38)	✓		✓	✓	✓	✓	✓	✓	
Kolan Estuary (AMTD 0, 2, 5.3, 8.1, 12)					✓				✓
Auburn River		✓							
Glenwood (AMTD 37.9)	✓		✓	✓	✓	✓	✓	✓	
Barambah Creek		✓							

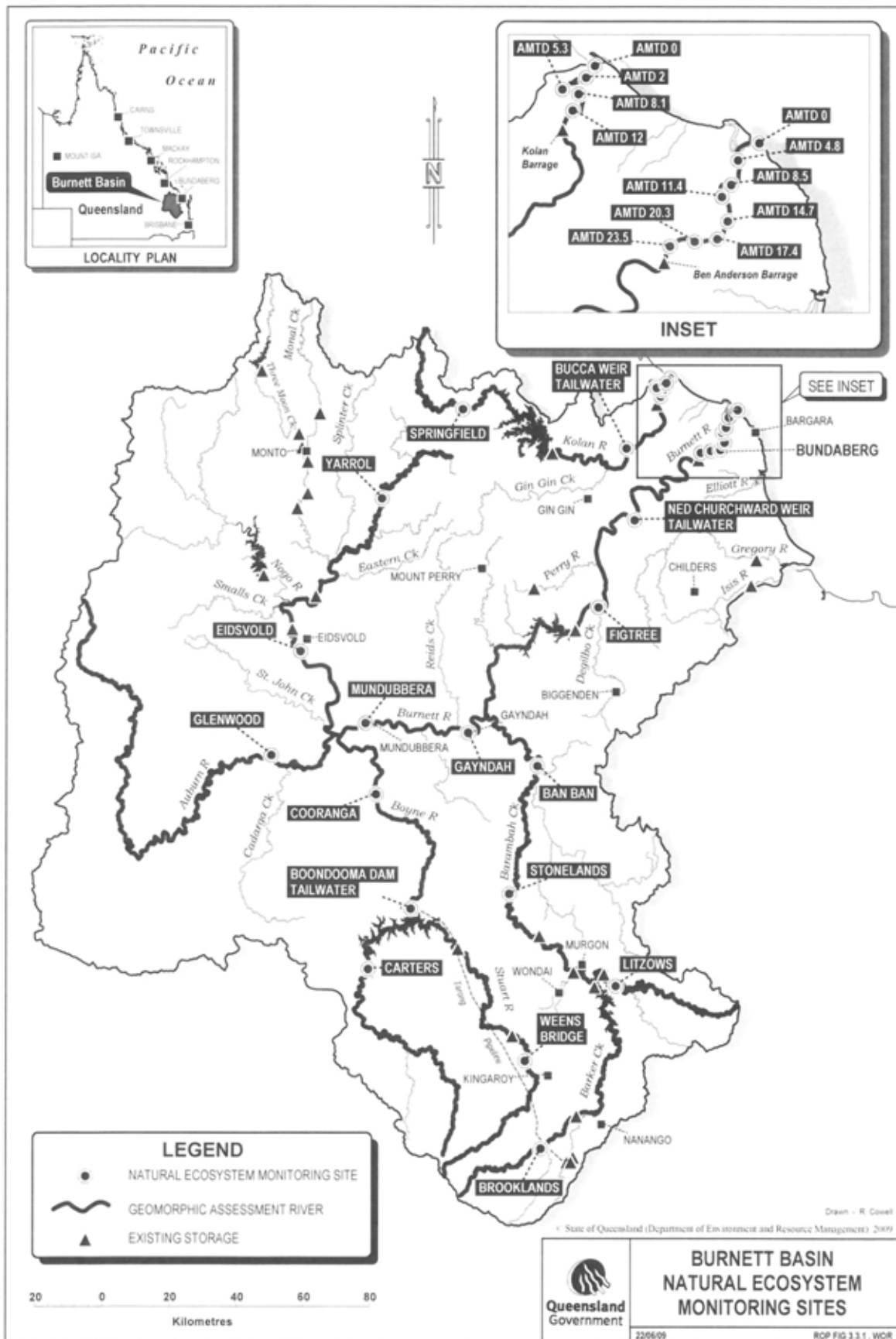
Ban Ban (AMTD 35.1)	✓		✓	✓	✓	✓	✓	✓	
Stonelands (AMTD 90.3)	✓		✓	✓	✓	✓	✓	✓	
Litzows (AMTD 186.2)	✓		✓	✓	✓	✓	✓	✓	
Barker Creek		✓							
Brooklands (AMTD 104.6)	✓		✓	✓	✓	✓	✓	✓	
Boyne River		✓							
Cooranga (AMTD 31.8)	✓		✓	✓	✓	✓	✓	✓	
Boondooma Dam tailwater (AMTD 86.4)	✓		✓	✓	✓	✓	✓	✓	
Carters (AMTD 120.9)	✓		✓	✓	✓	✓	✓	✓	
Stuart River		✓							
Weens Bridge (AMTD 97.1)	✓		✓	✓	✓	✓	✓	✓	

Table 2: Monitoring sites

5 Methods

Methods used for the natural ecosystem monitoring program will be consistent with best scientific knowledge and practice. The flexibility of the monitoring program allows for methods to be modified and updated without changing the ROP. Methods for natural ecosystem monitoring are listed within the Water Monitoring Data Collection Standards, which can be found on the department's website at www.dnrm.qld.gov.au.

Figure 3.3.1: Natural ecosystem monitoring sites covered by this ROP



**Attachment
4.1A Bundaberg Water Supply Scheme:
Reserved for future amendments**

**Attachment
4.1B Bundaberg Water Supply Scheme:
Reserved for future amendments**

**Attachment
4.1C Bundaberg Water Supply Scheme:
Reserved for future amendments**

Attachment**4.1D****Bundaberg Water Supply Scheme:
Infrastructure details****Table 1: Fred Haigh Dam – Kolan River – AMTD 76.4**

Description of Water Infrastructure	
Main embankment	Earth and rock fill dam
Full supply level	75.56 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	562 000 ML
Dead storage volume	4 390 ML
Storage curves/tables	Drawing no: A3-208867
Spillway Arrangement	
Description of works	Reinforced concrete crest and chute
Spillway level	75.56 m AHD
Spillway width	47.24 m
Discharge characteristics	Drawing no: HYDSYS Rating Curve #82 for GS 135009A
River Inlet/Outlet Works	
Description of works	River outlet – A single 1 066 mm MS pipe with a bellmouth centreline 36.08 m AHD coming from the plug in the diversion tunnel. This pipe separates into two 915 mm MS pipes at the reinforced concrete valve house. The right-hand pipe (looking downstream) has a 305 mm offtake. Each of the 915 mm pipes has a butterfly valve and a 760 mm discharge regulator. The 305 mm pipe has a gate valve and a 305 mm discharge regulator.
Multilevel inlet	Single level inlet – Rectangular reinforced concrete inlet tower. Two RC slotted inlets for a 4.57 m diameter reinforced concrete diversion tunnel to outlet pipes at the valve and inlet pipe for the pump station. Two inlets 9.14 m high x 1.98 m wide on the upstream face with a sill 42.64 m AHD with two 1.3 m high x 2.36 m wide slotted openings on each side.
Cease to flow level	Sill of outlet tower is at 42.64 m AHD. Invert of diversion tunnel is 33.54 m AHD.
Discharge characteristics	The estimated maximum discharge capacity of the river outlet is 1 600 ML/day.
Fish Transfer System	
Description of works	Nil

Table 2: Bucca Weir – Kolan River – AMTD 38

Description of Water Infrastructure	
Main embankment	Roller compacted concrete
Full supply level	16.2 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	11 600 ML
Dead storage volume	930 ML
Storage curves/tables	Drawing no: A3-209007
Spillway Arrangement	
Description of works	130.8 m central section with embankments on either side
Spillway level	16.2 m AHD
Spillway width	130.8 m
Discharge characteristics	Drawing no: HYDSYS Rating Curve #1 for GS 135008A
River Inlet/Outlet Works	
Description of works	Reinforced concrete outlet box with a floor 4.45 m AHD and a sill of 5.3 m AHD.
Multilevel inlet	Three 2.25 m wide x 1.04 m high openings at each of three different levels on both left bank and right bank sides of the outlet structure.
Cease to flow level	Outlet works: Sill 5.3 m AHD, Sill 8.96 m AHD, Sill 11.96 m AHD, and Sill 14.96 m AHD.
Discharge characteristics	Estimated maximum discharge capacity of outlet 1 791 ML/day.
Fish Transfer System	
Description of works	Nil

Table 3: Kolan Barrage – Kolan River – AMTD 14.7

Description of Water Infrastructure	
Main embankment	Tidal barrage
Full supply level	2.32 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	4 020 ML
Dead storage volume	1 630 ML
Storage curves/tables	Drawing no: A3-216333
Spillway Arrangement	
Description of works	Central section with embankments on either side
Spillway level	2.32 m AHD
Spillway width	Approximately 305 m
Discharge characteristics	Drawing no: HYDSYS Rating Curve #90 for GS 135010A
River Inlet/Outlet Works	
Description of works	No inlet works. Fish ladder operation only.
Multilevel inlet	Nil
Cease to flow level	Nil
Discharge characteristics	No outlet. Pump down to 0.89 m AHD.
Fish Transfer System	
Description of works	Vertical slot fish ladder

Table 4: Ned Churchward Weir – Burnett River – AMTD 74.5

Description of Water Infrastructure	
Main embankment	Weir
Full supply level	19 m AHD
Saddle dam(s)	One ancillary weir
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	29 500 ML
Dead storage volume	2 600 ML
Storage curves/tables	Drawing no: 106904
Spillway Arrangement	
Description of works	Full width weir mass concrete with crest 19 m AHD
Spillway level	Crest 19 m AHD
Spillway width	185.3 m
Discharge characteristics	Drawing no: HYDSYS Rating Curve #90 for GS 136023A
River Inlet/Outlet Works	
Description of works	Outlet works: Two outlet conduits 6 500 mm long x 5 000 mm wide x 3 900 mm high.
Multilevel inlet	Primary inlets: Double inlets each with four inlets (1.5 m vertical x 3 m horizontal) controlled by vertical bulkhead gates. Each inlet has a separate conduit controlled by a fixed wheel slide gate. Secondary inlets: Double inlets 1.5 m ² at 10.5 m AHD dropping vertical to 4.75 m AHD (1.5 m x 2 m) then horizontal (1.5 m ²) to separate outlet boxes.
Cease to flow level	Outlet works: Floor of outlet 4 m AHD. Sill of outlet 4.75 m AHD. Sill levels for primary inlets: 10.5 m AHD, 13.5 m AHD, 16.5 m AHD and 19.5 m AHD. Sill level for secondary inlets: 10.5 m AHD.
Discharge characteristics	Maximum design discharge capacity of single outlet is 778 ML/day. With both outlets = 1 555 ML/day
Fish Transfer System	
Description of works	Fish lock

Table 5: Ben Anderson Barrage – Burnett River– AMTD 25.9

Description of Water Infrastructure	
Main embankment	Tidal barrage
Full supply level	3.97 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Yes
Storage Volume and Surface Area	
Full supply volume	30 300 ML
Dead storage volume	6 650 ML
Storage curves/tables	Drawing no: A3-213264
Spillway Arrangement	
Description of works	110 shutter spillway 1.83 m high
Spillway level	3.97 m AHD
Spillway width	265 m
Discharge characteristics	Drawing no: to be advised
River Inlet/Outlet Works	
Description of works	Six 2.13 m x 2.13 m fixed wheel gates
Multilevel inlet	Nil
Cease to flow level	-0.03 m AHD
Discharge characteristics	Maximum derived discharge from the six sluice gates is 10 080 ML/day (the estimated maximum discharge from each gate is 1 680 ML/day).
Fish Transfer System	
Description of works	Vertical slot fish ladder

Table 6: Paradise Dam – Burnett River – AMTD 131.4 km

Description of Water Infrastructure	
Main embankment	RCC Gravity Dam
Full supply level	67.6 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	300 000 ML
Dead storage volume	13 390 ML
Storage curves/tables	Drawing no: 219168
Spillway Arrangement	
Description of works	Straight approach channel to a mass concrete ogee crest
Spillway level	67.6 m AHD
Spillway width	Primary: 315 m Secondary: 485 m
Discharge characteristics	Drawing no: to be advised
River Inlet/Outlet Works	
Description of works	River Inlet/Outlet: A multilevel intake tower. Gates for environmental releases.
Multilevel inlet	Shutters to allow variable level releases between FSL and EL 42 m AHD
Cease to flow level	River Outlet: EL 42 m AHD
Discharge characteristics	The estimated maximum discharge capacity of the outlets: Environmental flow outlet is 23 300 ML/day at EL 68 m AHD. Irrigation outlet is 1 550 ML/day at EL 46 m AHD
Fish Transfer System	
Description of works	Fish lift for upstream movement Fish lock for downstream movement

**Attachment
4.1E** **Attachment number not used**

Attachment

4.1F

Bundaberg Water Supply Scheme: Water sharing rules

Water sharing rules must be used to determine:

- announced allocation percentages throughout the year;
- restrictions on the movement of water between water years; and
- seasonal water assignment of water allocations.

There are two types of water allocations proposed to be supplied to water users in the Bundaberg Water Supply Scheme, namely medium and high priority water allocations. The WRP specifies the performance indicators (WASOs) for the medium and high priority groups.

The water sharing rules specify the way the water resources of the Bundaberg Water Supply Scheme will be shared between each of the water allocation priority groups.

1 Announced allocation

The announced allocation percentage is the percentage of the water allocation's nominal volume that is announced from time to time by the ROL holder. This percentage sets a limit to the amount of supplemented water which a water allocation holder can divert during the water year as a proportion of the water allocation holder's nominal volume.

The ROL holder is required to calculate announced allocation percentages for each priority group through the use of formulas and associated parameters. Details for each parameter used (including those in brackets in the list of points below) are specified in Section 3.

The amount of water that can be apportioned to each of the priority groups at any given time is determined by taking into account factors such as:

- the time of year an assessment is made;
- the amount of water used by each priority group in the current water year up to the date of the assessment (HPD and MPD);
- the amount of water in the storages;
- allowance for evaporative and seepage losses from the storages;
- allowance for future inflows (IN);
- allowance for the requirements of high and medium priority water allocations in future water years, to ensure the required level of performance (RE);
- allowance for transmission and operational losses along the river (TOL); and
- the net amount of water allocation that has been moved into the current water year from the next or previous water year (VIWY).

The values given for the factors applied in the announced allocation formula should not be taken out of the context of their purpose as part of the overall package used to determine the announced allocation.

1.1 General rules

Announced allocation procedures must be used to determine the announced allocation percentages for medium and high priority water allocations.

The announced allocation percentage is the percentage of the water allocation volume that may be taken during the water year. The water year for the Bundaberg Water Supply Scheme is from 1 July to 30 June in the following year.

Separate assessment of announced allocation percentages must be made for each water allocation priority group.

The announcement at the start of the water year must be based on the following conditions:

- if Fred Haigh Dam is at or below 66.06 m AHD at the start of the water year, separate announced allocations are to be made for the Kolan River Subscheme and the Burnett River Subscheme; and
- if Fred Haigh Dam is above 66.06 m AHD at the start of the water year, the announced allocation is the same for the entire Bundaberg Water Supply Scheme.

The initial announced allocation percentage for a water year must be announced within ten business days after the start of that water year.

Announced allocation percentages must not be greater than 100%.

Announced allocation percentages must be reviewed during the year within ten working days of when a major inflow occurs. If the announced allocation percentage would increase by more than five percentage points or be increased to 100%, then the announced allocation percentage must be revised.

The announced allocation percentage must not be reduced during a water year. If the formula gives a value below what was previously announced in the same water year, then the previously announced allocation percentage is to be maintained.

If the announced allocation percentage is less than 100%, the announced allocation percentage should be reviewed at intervals not greater than three months.

The ROL holder may revise an announced allocation as an interim value at any time provided the value is not greater than that which would be calculated using the formulas in Section 1.3.

1.2 Subschemes

Bundaberg Water Supply Scheme will split into two subschemes for announced allocation purposes if the storage level in Fred Haigh Dam is at or below 66.06 m AHD at the beginning of the water year.

Separate assessment and announced allocations are to be made for each subscheme and the following rules apply:

- No releases are to be made from Fred Haigh Dam to the Burnett River Subscheme to supply demands of users or to maintain storage operating

levels. This takes precedence over the requirements of Attachment 4.1E, Section 2.2.2.

- Releases are to be made from Fred Haigh Dam to supply users on the Kolan River when Fred Haigh Dam is above its dead storage level.
- Releases from Paradise Dam to supply Ned Churchward Weir to continue until Paradise Dam is less than EL 46.3 m AHD.

When Fred Haigh Dam level exceeds EL 66.46 m AHD at any time during the water year, the subschemes will rejoin to one system and the following rules apply:

- The announced allocation that applied immediately prior to rejoining to one system continues unchanged in each subscheme until sufficient water is available to increase both subschemes to a single announced allocation percentage.
- Releases from Fred Haigh Dam to Burnett River may commence when a single announced allocation percentage is made.

The Kolan River Subscheme extends from the upper end of Fred Haigh Dam ponded area (AMTD 116) to the Kolan Barrage (AMTD 14.7). It includes the following infrastructure:

- Fred Haigh Dam;
- Bucca Weir; and
- Kolan Barrage.

The Burnett River Subscheme extends from within the ponded area of Paradise Dam (AMTD 162.8) to Ben Anderson Barrage (AMTD 25.9). It includes the following infrastructure:

- Paradise Dam;
- Ned Churchward Weir; and
- Ben Anderson Barrage.

1.3 Calculation of announced allocation percentages

Medium priority water allocations

The announced allocation percentage for medium priority water allocations must be determined from the following relationship.

$$AABm * MPA = (UV + IN - HPA + HPD - RE - TOL + MPD - VIWY) * 100$$

Where:

AABm cannot be less than 0%

$$AAKm = AABm$$

If the system is split into two subschemes, then

$$AABm * MPAB = (UVB + IN - HPAB + HPDB - REB - TOLB + MPDB - VIWYB) * 100$$

and

$$AAKm * MPAK = (UVK + IN - HPAK + HPDK - REK - TOLK + MPDK - VIWYK) * 100$$

The parameters used in these relationships are defined in Section 3.

High priority water allocations

If the announced allocation determined for medium priority water allocations in each subscheme (AAKm and AABm) is greater than zero, then the announced allocation percentage for high priority water allocations must be 100%, otherwise the announced allocation percentage for high priority water allocations in each subscheme must be determined from the following relationship.

$$AABh * HPAB = (UVB + IN - TOLB + HPDB - VIWYB) * 100$$

and

$$AAKh * HPAK = (UVK + IN - TOLK + HPDK - VIWYK) * 100$$

The parameters used in this relationship are defined in Section 3.

2 Restrictions on the taking of water

2.1 Movement of water across water years

The supply of all or part of the water available under an individual high priority water allocation must not be:

- carried over from the current water year to any future year; or
- brought forward from a future water year to the current water year, other than from the next water year.

The total volume of the water available under high priority water allocation permitted to be brought forward to a water year must not exceed 1% of the total volume of high priority water allocation in the Bundaberg Water Supply Scheme.

The supply of all or part of an individual medium priority water allocation must not be:

- carried over from the current water year to any future year, other than to the next water year; or
- brought forward from a future water year to the current water year, other than from the next water year.

The total volume of the water available under medium priority water allocation permitted to be brought forward to a water year must not exceed 1% of the total volume of medium priority water allocation in the Bundaberg Water Supply Scheme.

The total volume of the water available under medium priority water allocation permitted to be carried over to a water year must not exceed the lesser amount of the following volumes (calculated for the previous water year):

- 2% of the total volume of medium priority water allocation in the Bundaberg Water Supply Scheme; and
- the unused portion of the announced allocation.

2.2 Seasonal assignment rules for a water allocation

The ROL holder may only give consent to a seasonal water assignment in relation to a water allocation located in any of the zones listed in Section 1.2 of Attachment 4.1H if:

- the water continues to be supplied from any of those zones; and
- from 1 July 2009 the resultant distribution of water supplied in a water year lies within the ranges shown in Tables 3 and 4 in Attachment 4.1H.

A water allocation may for the purposes of this section be managed as if it is a water allocation with the purpose of 'any'.

3 Parameters used in calculating announced allocation percentages

AABm = announced allocation percentage medium priority for the
Burnett Subscheme

That is, AABm is the percentage of the nominal volume for a medium priority water allocation that may be taken for the current water year in the Burnett Subscheme.

AAKm = announced allocation percentage medium priority for the
Kolan Subscheme

That is, AAKm is the percentage of the nominal volume for a medium priority water allocation that may be taken for the current water year in the Kolan Subscheme.

AABh = announced allocation percentage high priority for the
Burnett Subscheme

That is, AABh is the percentage of the nominal volume for a high priority water allocation that may be taken for the current water year in the Burnett Subscheme.

AAKh = announced allocation percentage high priority for the
Kolan Subscheme

That is, AAKh is the percentage of the nominal volume for a high priority water allocation that may be taken for the current water year in the Kolan Subscheme.

MPA = medium priority water allocations

That is, MPA is the volume of medium priority water allocations in the total Bundaberg Water Supply Scheme.

MPD = medium priority diversions

That is, the volume of medium priority water taken in the single Bundaberg Water Supply Scheme in the current water year up to the time of the assessment of the announced allocation (excluding any medium priority water used in the current water year that had been carried over).

HPA = high priority water allocations

That is, the volume of high priority water allocations in the total Bundaberg Water Supply Scheme.

HPD = high priority diversions

That is, the volume of high priority water taken in the total Bundaberg Water Supply Scheme in the current water year up to the time of the assessment of the announced allocation (excluding any high priority water used in the current water year that had been carried over).

UV = useable volume

That is, UV is determined by summing the useable volume of each of the storages included in the assessment of the announced allocation as per the following equations: $UV = \sum (UV_{storage})$

$$UV_{storage} = (CV - DSV - SL)$$

$$UV_{storage} = 0 \text{ if } (CV - DSV - SL) \text{ is less than } 0$$

Where:

UV_{storage} is the useable volume of each storage.

CV is the current volume of the storage.

DSV is the dead storage volume of the storage (as contained in Attachment 4.1D).

SL is the storage losses (calculated using data in Tables 2 and 3).

SL = storage losses

That is, SL is the projected storage losses from the storage for the remainder of the water year. Storage losses include lake evaporation and seepage.

The storage loss depths to be used for each storage are given in Tables 1 and 2. The storage loss volume is calculated by using the value next to the current month multiplied by the current surface area of the storage.

Table 1: Storage loss depth

Fred Haigh Dam, Bucca Weir, Kolan Barrage, Ned Churchward Weir and Ben Anderson Barrage	
Month in which Announced Allocation is Calculated	Storage Loss Till the End of Water Year (mm)
July	1 727
August	1 643
September	1 541
October	1 415
November	1 241
December	1 046
January	841
February	633
March	464
April	297
May	168
June	75

Table 2: Storage loss depth

Paradise Dam	
Month in which Announced Allocation is Calculated	Storage Loss Till the End of Water Year (mm)
July	1 844
August	1 757
September	1 645
October	1 501
November	1 315
December	1 111
January	891
February	674
March	498
April	318
May	183
June	81

The useable volume of Fred Haigh Dam, Bucca Weir, Kolan Barrage, Paradise Dam, Ned Churchward Weir and Ben Anderson Barrage are included in the announced allocation calculation for the total Burnett Water Supply Scheme

IN = inflow

That is, IN is the allowance for inflows used in the announced allocation procedures. The inflows to be used for this system are given in Table 3. The number used in the

equation for inflows (IN) is the value in the table for the month in which the calculation is undertaken.

Table 3: Inflow allowances

Month	Inflow to (ML)
July	0
August	0
September	0
October	0
November	0
December	0
January	0
February	0
March	0
April	0
May	0
June	0

RE = reserve

That is, RE is the storage volume set aside for water supplies and associated losses in future water years. The reserve volumes for calculating the announced allocations are given in Table 4. The value for the current month at the time of the calculation is the value used.

Table 4: Reserve volumes

Month in which Announced Allocation is Calculated	Reserve (ML)
July	0
August	21 710
September	43 420
October	65 131
November	86 841
December	108 551
January	130 261
February	151 971
March	173 682
April	195 392
May	217 102
June	238 812

TOL = transmission and operational losses

That is, TOL is an allowance for the river transmission and operational losses expected to occur in running the system to the end of the current water year. TOL varies with the announced allocation for medium priority water allocations.

The transmission and operational loss allowance to be used is given in Table 5. TOL is to be linearly interpolated for intermediate values of medium priority announced allocation in the Burnett Subscheme.

Table 5: Transmission and operational losses

Month in which Announced Allocation is Calculated	Transmission and Operational Loss Allowance (ML)			
	At AABM = 0%	At AABM = 25%	At AABM = 75%	At AABM = 100%
July	4 929	15 757	68 651	132 375
August	4 523	14 775	64 898	125 275
September	4 107	13 294	58 190	112 272
October	3 685	11 513	49 701	95 717
November	3 270	9 640	40 640	78 010
December	2 855	7 671	30 992	59 128
January	2 436	5 793	21 922	41 409
February	2 436	5 793	21 922	41 409
March	2 436	5 793	21 922	41 409
April	2 436	5 793	21 922	41 409
May	2 436	5 793	21 922	41 409
June	2 436	5 793	21 922	41 409

VIWY = net total volume of water allocation moved into current water year

That is, VIWY is the net total volume of water allocation for the total Burnett Water Supply Scheme that is moved into a water year from the previous water year, taking into account:

- the volume of water carried over to the current water year from the previous water year;
- the volume of water brought forward from the current water year to the previous water year; and
- the volume of water carried over to the current water year that had been supplied in the current water year as at the date of the assessment of the announced allocation.

3.1 Parameters used in calculating announced allocation percentages for subschemes

MPAB = medium priority water allocations for the Burnett Subscheme

That is, MPAB is the volume of medium priority water allocations in the Burnett Subscheme.

MPAK = medium priority water allocations in the Kolan Subscheme

That is, MPAK is the volume of medium priority water allocations in the Kolan Subscheme.

MPDB = medium priority diversions for the Burnett Subscheme

That is, the volume of medium priority water taken in the Burnett Subscheme in the current water year up to the time of the assessment of the announced allocation (excluding any medium priority water used in the current water year that had been carried over).

MPDK = medium priority diversions for the Kolan Subscheme

That is, the volume of medium priority water taken in the Kolan Subscheme in the current water year up to the time of the assessment of the announced allocation (excluding any medium priority water used in the current water year that had been carried over).

HPAB = high priority water allocations for the Burnett Subscheme

That is, the volume of high priority water allocations in the Burnett Subscheme.

HPAK = high priority water allocations for the Kolan Subscheme

That is, the volume of high priority water allocations in the Kolan Subscheme.

HPDB = high priority diversions for the Burnett Subscheme

That is, the volume of high priority water taken in the Burnett Subscheme in the current water year up to the time of the assessment of the announced allocation (excluding any high priority water used in the current water year that had been carried over).

HPDK = high priority diversions for the Kolan Subscheme

That is, the volume of high priority water taken in the Kolan Subscheme in the current water year up to the time of the assessment of the announced allocation (excluding any high priority water used in the current water year that had been carried over).

UVB = useable volume of the Burnett Subscheme

That is, UVB is determined by summing the useable volume of each of the storages included in the assessment of the announced allocation as per the following equations:

$$UVB = \text{sum}(UVB_{\text{storage}})$$

$$UVB_{\text{storage}} = (CV - DSV - SL)$$

$$UVB_{\text{storage}} = 0 \text{ if } (CV - DSV - SL) \text{ is less than } 0$$

Where:

UVBstorage is the useable volume of each storage.

CV is the current volume of the storage.

DSV is the dead storage volume of the storage (as contained in Attachment 4.1D).

SL is the storage losses (calculated using data in Tables 2 and 3).

The useable volume of Paradise Dam, Ned Churchward Weir and Ben Anderson Barrage are included in the announced allocation calculation for the Burnett Subscheme.

UVK = useable volume for the Kolan Subscheme

That is, UVK is determined by summing the useable volume of each of the storages included in the assessment of the announced allocation as per the following equations:

$$UVK = \text{sum}(UVK_{\text{storage}})$$

$$UVK_{\text{storage}} = (CV - DSV - SL)$$

$$UVK_{\text{storage}} = 0 \text{ if } (CV - DSV - SL) \text{ is less than } 0$$

Where:

UVKstorage is the useable volume of each storage.

CV is the current volume of the storage.

DSV is the dead storage volume of the storage (as contained in Attachment 4.1D).

SL is the storage losses (calculated using data in Tables 2 and 3).

The useable volume of Fred Haigh Dam, Bucca Weir, and Kolan Barrage are included in the announced allocation calculation for the Kolan Subscheme.

REB = reserve for the Burnett Subscheme

That is, REB is the storage volume set aside in the Burnett Subscheme for water supplies and associated losses in future water years. The reserve volumes for calculating the announced allocations are given in Table 6. The value for the current month at the time of the calculation is the value used.

REK = reserve for the Kolan Subscheme

That is, REB is the storage volume set aside in the Kolan Subscheme for water supplies and associated losses in future water years. The reserve volumes for calculating the announced allocations are given in Table 6. The value for the current month at the time of the calculation is the value used.

Table 6: Reserved volumes for Burnett and Kolan Subschemes

Month in which Resource Assessment is made	Burnett Subscheme Reserve (ML)	Kolan Subscheme Reserve (ML)
July	0	0
August	18 127	3 583
September	36 254	7 166
October	54 382	10 749
November	72 509	14 332
December	90 636	17 915
January	108 763	21 498
February	126 890	25 081
March	145 018	28 664
April	163 145	32 247
May	181 272	35 830
June	199 399	39 413

TOLB = transmission and operational losses for the Burnett Subscheme

That is, TOL is an allowance for the river transmission and operational losses expected to occur in running the Burnett Subscheme to the end of the current water year. TOLB varies with the announced allocation for medium priority water allocations.

TOLK = transmission and operational losses for the Kolan Subscheme

That is, TOL is an allowance for the river transmission and operational losses expected to occur in running the Kolan Subscheme to the end of the current water year. TOLK varies with the announced allocation for medium priority water allocations.

The transmission and operational loss allowance to be used is given in Tables 7 and 8 for each subscheme. TOLB and TOLK are to be linearly interpolated for intermediate values of medium priority announced allocation in the subschemes.

Table 7: Transmission and operation loss allowances for Burnett Subscheme

Month in which Resource Assessment is Made	Transmission and Operation Loss Allowance (ML)			
	At AA _M = 0%	At AA _M = 25%	At AA _M = 75%	At AA _M = 100%
July	3 389	10 834	47 200	91 013
August	3 110	10 158	44 620	86 132
September	2 824	9 140	40 008	77 191
October	2 534	7 916	34 171	65 809
November	2 248	6 628	27 942	53 635
December	1 963	5 274	21 308	40 653
January	1 675	3 983	15 072	28 470
February	1 675	3 983	15 072	28 470
March	1 675	3 983	15 072	28 470
April	1 675	3 983	15 072	28 470
May	1 675	3 983	15 072	28 470
June	1 675	3 983	15 072	28 470

Table 8: Transmission and operation loss allowances for Kolan Subscheme

Month in which Resource Assessment is Made	Transmission and Operation Loss Allowance (ML)			
	At AAM = 0%	At AAM = 25%	At AAM = 75%	At AAM = 100%
July	1 540	4 923	21 451	41 362
August	1 413	4 617	20 278	39 143
September	1 283	4 154	18 182	35 081
October	1 151	3 597	15 530	29 908
November	1 022	3 012	12 698	24 375
December	892	2 397	9 684	18 475
January	761	1 810	6 850	12 939
February	761	1 810	6 850	12 939
March	761	1 810	6 850	12 939
April	761	1 810	6 850	12 939
May	761	1 810	6 850	12 939
June	761	1 810	6 850	12 939

VIWYB = net total volume of water allocation moved into current water year for the Burnett Subscheme

That is, VIWYB is the net total volume of water allocation that is moved into a water year from the previous water year for the Burnett Subscheme, taking into account:

- the volume of water carried over to the current water year from the previous water year;
- the volume of water brought forward from the current water year to the previous water year; and
- the volume of water carried over to the current water year that had been supplied in the current water year as at the date of the assessment of the announced allocation.

VIWYK = net total volume of water allocation moved into current water year for the Kolan Subscheme

That is, VIWYB is the net total volume of water allocation that is moved into a water year from the previous water year for the Kolan Subscheme, taking into account:

- the volume of water carried over to the current water year from the previous water year;
- the volume of water brought forward from the current water year to the previous water year; and
- the volume of water carried over to the current water year that had been supplied in the current water year as at the date of the assessment of the announced allocation.

4 Water Allocation Holders between AMTD 162.8 and AMTD 176

Water allocation holders within this river section are permitted to extract water from Paradise Dam when Paradise Dam storage level is at or above 62.92 m AHD (190 000 ML) if the announced allocation for the Claude Wharton Subscheme in the Upper Burnett WSS is greater than zero.

These allocation holders are not permitted to extract water from Paradise Dam when Paradise Dam elevation is below 62.92 m AHD.

Attachment**4.1G****Bundaberg Water Supply Scheme:
Monitoring program****1 Water quantity****1.1 Stream flow (storage inflow and tailwater flow) and storage water level**

- (1) The ROL holder must record water level and volume, daily inflow and flow data in accordance with Table 1.
- (2) Tailwater flows may be obtained from gauging station data, or where there is no gauging station, tailwater flows may be calculated using the release curve developed for the discharge works and for the headwater discharge.

Table 1: Locations where data is required

Location	Gauging Station Site Identification	AMTD km	Water level and volume data	Daily Inflow data	Daily flow data
Fred Haigh Dam headwater	GS 135009A	76.7	✓	✓	
Fred Haigh Dam tailwater ²	GS 135012A	76.6			✓
Sheepstation Creek	GS 136018A	8.6			✓
Ned Churchward Weir headwater	GS 136023A	74.5	✓		
Ned Churchward Weir tailwater	GS 136008C	74.4			✓
Bucca Weir headwater	GS 135008A	38	✓	✓	
Bucca Weir tailwater	TBA	TBA			✓
Kolan River Barrage (Gooburrum Pump Station)	GS 135010B	20.8	✓		
Ben Anderson Barrage (Woongarra Pump Station)	GS 136020A	36.6	✓		
Paradise Dam headwater	GS 136024A	131.4	✓	✓	
Paradise Dam tailwater	TBA	TBA			✓

² This gauging station only measures release water. Total tailwater discharge will need to be calculated from headwater discharge data and any releases.

1.2 Reserved for future amendments

1.3 Releases from storages

- (1) This section applies to the following storages:
 - (a) Fred Haigh Dam;
 - (b) Ned Churchward Weir;
 - (c) Bucca Weir;
 - (d) Paradise Dam;
 - (e) Kolan Barrage; and
 - (f) Ben Anderson Barrage.

- (2) The ROL holder must record on a daily basis for each storage outlet:
 - (a) the 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 ROL holder must record for each storage outlet the reason for each release and the component volumes³ for each release.

1.4 Announced allocations

The ROL holder must record details of announced allocation determinations referred to in Section 1 of Attachment 4.1F, including:

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

1.5 Transfer of water between water years

The ROL holder must record details of the transfer of water between water years.

1.6 Water taken by water users

The ROL holder must record the volume of water taken by each water user per zone as follows:

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

³ Component volumes comprise of the following;

- passing flows under the low flow management strategy, where applicable;
- passing flows under the medium to high flow management strategy, where applicable;
- volume released for water supply in the storage's local supply area;
- an estimate of the volume released to meet transmission and operating losses in the storage's local supply area;
- volume released to maintain the water level in the next downstream storage;
- volume released through fishways;
- total volume released from the storage; and
- for storages with a multilevel outlet, the water level from which the release was made.

- (d) the basis for determining the total volume of water entitled to be taken, including adjustments for volumes moved into or out of the water year and seasonal water assignments.

1.7 Seasonal water assignments

The ROL holder must record the details of seasonal water assignment arrangements including:

- (a) the name, volume and location of water seasonally assigned by individuals; and
(b) the name, volume and location of individuals that received a seasonal assignment.

1.8 Reserved for future amendments

1.9 Water diversions

(1) The ROL holder must record the daily volume of water diverted to:

- Burnett River via St Agnes Creek;
- Abbotsford Surface Water Supply Subscheme via the Abbotsford Pump Station on the Kolan River;
- Gin Gin and Bingera Surface Water Supply Subscheme via the Monduran Pump Station at Fred Haigh Dam;
- Gooburrum Surface Water Supply Subscheme via the Gooburrum Pump Station on the Kolan River;
- Isis Surface Water Supply Subscheme via the Isis Pump Station on the Burnett River;
- Woongarra Surface Water Supply Subscheme via the Woongarra Pump Station on the Burnett River; and
- Welcome Creek via Gooburrum Channel.

(2) The methodology for determining the volume must be approved by the chief executive.

1.10 Critical water supply sharing arrangements

The ROL holder must record details of any restrictions on the supply of high priority water due to the application of critical water sharing arrangements including:

- (a) the dates of restrictions;
(b) the nature of restrictions; and
(c) the basis of the determination of restrictions including the minimum allocation for high priority users.

2 Impact of storage operation on aquatic ecosystems

The ROL holder must undertake the following to establish any impacts on aquatic ecosystems potentially related to the operation of storages.

2.1 Water quality

The ROL holder must monitor water quality in relation to relevant infrastructure in accordance with the Department's Water Monitoring Data Collection Standard.

2.2 Bank condition

(1) The ROL holder must inspect banks for evidence of collapse and/or erosion within the ponded area and downstream of storages following instances of rapid water level changes or large flows through storages, or other occasions when collapse and/ or erosion of banks may be likely.

(2) The distance downstream is the distance of influence of storage operations.

2.3 Fish stranding

The ROL holder must record and assess reported instances of fish stranding in watercourses and ponded areas associated with the operation of infrastructure of the ROL holder as listed in Attachment 4.1D to determine if any instance is associated with the operation of that infrastructure.

2.4 Ned Churchward Weir

The ROL holder is required to undertake monitoring in accordance with the original intent of the State and Federal agreement for the construction of Ned Churchward Weir as specified by EPA as the lead agency for this agreement. Upon advice that the monitoring requirements have been fulfilled to the satisfaction of EPA, the chief executive of NRW will review this requirement.

3 Reporting

Reporting requirements

There are four levels of reporting for ROL holders:

- (1) Quarterly reports;
- (2) Annual reports for the previous water year;
- (3) Operational reports; and
- (4) Emergency reports.

Unless otherwise specified in the ROP, reporting must be consistent with the Department's Water Monitoring Data Reporting Standard.

3.1 Quarterly reporting

The ROL holder must submit a quarterly report to the chief executive after the end of each quarter, of every water year. The report should contain the following data or information:

- (a) verified stream flow, storage inflow and water level – all records referred to in Section 1.1;
- (b) releases from storages – the daily volumes released referred to in Section 1.3;
- (c) water diversions – daily totals of records referred to in Section 1.9;
- (d) water quality – all records referred to in Section 2.1; and

- (e) a summary of bank condition monitoring carried out in accordance with Section 2.2, which may include incidences of slumping.

3.2 Annual report

The ROL holder must submit an annual report to the chief executive after the end of each water year.

Water quantity reporting

- (1) The annual report must include a summary of:
 - (a) announced allocation determinations including:
 - (i) an evaluation of the announced allocation procedures and outcomes; and
 - (ii) the date and value for each announced allocation;
 - (b) instances where critical water supply sharing rules have been implemented, including:
 - (i) an evaluation of the effectiveness of the rules and outcomes; and
 - (ii) the commencement date(s) and time period(s) for which the rules were in effect;
 - (c) the total annual volume of water taken by all water users, specified by zone, namely:
 - (i) the total volume of supplemented water taken;
 - (ii) the total volume of supplemented water entitled to be taken; and
 - (iii) the basis for determining the volume entitled to be taken;
 - (d) seasonal water assignments, specified by scheme, namely:
 - (i) the total number of seasonal water assignment arrangements; and
 - (ii) the total volume of water seasonally assigned.
- (2) The annual report must include:
 - (a) all details of changes to the storage and delivery infrastructure, or the operation of storages and delivery infrastructure that may impact on compliance with rules in this plan; and
 - (b) details of any new monitoring devices used such as equipment to measure stream flow.
- (3) The annual report must include a discussion on any other issues that arose as a result of the implementation and application of the rules and requirements in this plan.
- (4) The annual report must include water taken by each water user as follows:
 - (a) the total volume of water taken for each zone;
 - (b) the total volume entitled to be taken for each zone; and
 - (c) the basis for determining the total volume of water entitled to be taken.

Impact of storage operation on water quality

- (1) The annual report must include:
 - (a) a summary of environmental considerations made by the ROL holder in making operational and release decisions; and

- (b) a summary of the environmental outcomes of the decision including any adverse environmental impacts.
- (2) The annual report must include a summary of bank condition and fish stranding monitoring and assessment including:
 - (a) results of investigations of bank slumping or erosion identified in ponded areas and/or downstream of storages;
 - (b) results of any investigations of fish stranding downstream of storages; and
 - (c) changes to operation of storages to reduce instances of bank slumping, erosion or fish stranding.
 - (3) The annual report must include a discussion and assessment of the following water quality issues:
 - (a) water quality in each storage;
 - (b) thermal and chemical stratification in each storage;
 - (c) contribution of the storage and its management to the quality of water released;
 - (d) cumulative effect of successive storages on water quality;
 - (e) Cyanobacterial population changes in response to stratification in each storage; and
 - (f) any changes to the monitoring program as a result of evaluation of the data.

3.3 Operational report

- (1) The ROL holder must notify the chief executive within one business day:
 - (a) upon becoming aware of any of the following operational incidents:
 - (i) a non-compliance by the ROL holder with the rules given in this plan likely to affect the outcomes of the plan;
 - (ii) instances when a waterhole is drawn down 0.5 m below cease to flow level;
 - (iii) instances of fish stranding, blue-green algae growth or bank slumping within the ponded areas or downstream of storages associated with the operation of the Bundaberg Water Supply Scheme.
 - (b) upon making a decision relating to:
 - (i) an initial announced allocation and/or its revision;
 - (ii) any restrictions on the taking of medium priority water;
 - (iii) upon activation of critical water supply arrangements;
 - (iv) details of any arrangements for addressing circumstances where they are unable to supply water allocations.
- (2) The ROL holder must provide the chief executive with:
 - (a) a report on the occurrence of any of the operational incidents discussed in Subsection (1)(a). The report must include details of the incident, conditions under which the incident occurred and any responses or activities carried out as a result of the incident; and
 - (b) a summary of any other non-compliances by the ROL holder with the rules given in this plan; and
 - (c) relevant supporting information used in making a decision relating to:
 - (i) an initial announced allocation and/or its revision; and
 - (ii) any restrictions on the taking of medium priority water;

- (d) details of any seasonal water assignments approved by the ROL holder.
- (3) The ROL holder must provide within 10 business days the chief executive with a report of supplemented water being taken through a NRW water meter. The ROL holder must report the meter readings at the start and finish of the taking of water and the approved quantities of supplemented water taken.

3.4 Emergency report ⁴

In an emergency where the licence holder cannot comply with the conditions of the ROP as a result of the emergency, the ROL holder must:

- (a) notify the chief executive; and
- (b) provide a report to the chief executive including:
 - (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 licence holder is either permanently or temporarily unable to comply with due to the emergency.

⁴ This does not preclude requirements for dam safety under the *Water Act 2000* and any other applicable legislation

Attachment

4.1H

Bundaberg Water Supply Scheme: Water allocation change rules

1 Permitted changes

- (1) Application for the following changes to a water allocation will be approved. On approval, a change certificate will be issued by the chief executive, which may be lodged with the registrar of water allocations.
- (2) Despite subsection (1), the chief executive must not accept an application to change a water allocation during the first 10 business days following the commencement of revision 10 of this resource operations plan (the **period**), if—
 - (a) the application is to change the location to Zone AA; and
 - (b) the total sum of the nominal volumes for the application and any other applications, that are—
 - (i) of the type described in subsection (2)(a); and
 - (ii) received from the same applicant; and
 - (iii) received during the period;

exceed 1000 megalitres.

1.1 Location

A water allocation holder may apply to change the location of the water allocation from one of the following zones to any other of those zones:

- between AA and AB, AC, AD, CA, CB and GZ;
- between AB and AA, AC, AD, CA, CB and GZ;
- between AC and AA, AB, AD, CA, CB and GZ;
- between AD and AA, AB, AC, CA, CB and GZ;
- between CA and CB and GZ;
- between CB and CA and GZ; or
- between GZ and CA and CB.

The proposed change is not a permitted change if the proposed change would result in a distribution of medium or high priority water allocations not provided for in Tables 1 and 2 or would result in more than 8 000 ML of medium priority allocations changing from AA, AB, AC and AD to CA, CB and GZ.

Table 1: Permitted distributions of high priority water allocations in the Bundaberg Water Supply Scheme by zone

Zones	AA	AB	AC	AD	CA	CB	GZ
Minimum nominal volume of high priority water allocation(ML)	3 100	0	0	3 990	8 840	0	0
Maximum nominal volume of high priority water allocation (ML)	3 600	105	280	4 190	36 570	37 050	20 000

Table 2: Permitted distributions of medium priority water allocations in the Bundaberg Water Supply Scheme by zone

Zones	AA	AB	AC	AD	CA	CB	GZ
Minimum nominal volume of medium priority water allocation (ML)	36 025	2 785	0	46 750	64 325	4 450	2 855
Maximum nominal volume of medium priority water allocation (ML)	42 553	6 790	5 160	67 180	189 325	156 760	41 235

1.2 Seasonal assignment

A water allocation holder may apply to change the location of the water allocation from one of the following zones to any other of those zones:

- between AA and AB, AC, AD, CA, CB and GZ;
- between AB and AA, AC, AD, CA, CB and GZ;
- between AC and AA, AB, AD, CA, CB and GZ;
- between AD and AA, AB, AC, CA, CB and GZ;
- between CA and AA, AB, AC, AD, CB and GZ;
- between CB and AA, AB, AC, AD, CA and GZ; or
- between GZ and AA, AB, AC, AD, CA and CB.

The proposed change is not a permitted change if the proposed change would result in use of medium or high priority water allocations not provided for in Tables 3 and 4.

Table 3: Permitted use of high priority water allocations in the Bundaberg Water Supply Scheme by zone

Zones	AA	AB	AC	AD	CA	CB	GZ
Minimum nominal volume of high priority water use (ML)	3 100	0	0	3 990	8 840	0	0
Maximum nominal volume of high priority water use (ML)	3 600	105	280	4 190	36 570	37 050	20 000

Table 4: Permitted use of medium priority water allocations in the Bundaberg Water Supply Scheme by zone

Zones	AA	AB	AC	AD	CA	CB	GZ
Minimum nominal volume of medium priority water use (ML)	36 025	2 785	0	46 750	64 325	4 450	2 855
Maximum nominal volume of medium priority water use (ML)	42 553	6 790	5 160	67 180	189 325	156 760	41 235

1.3 Purpose

A water allocation holder may apply to change the purpose from 'any' to 'agriculture' or from 'agriculture' to 'any'.

1.4 Subdivision and amalgamation

A water allocation holder may apply to subdivide a water allocation into two or more water allocations, or to amalgamate two or more water allocations into a single water allocation.

2 Prohibited changes

The following changes are prohibited changes.

2.1 Location

A change to a location that is not mentioned in Tables 1, 2, 3 or 4.

2.2 Priority group

A change to a priority group that is not 'medium' or 'high'.

2.3 Purpose

A change to a purpose that is not 'agriculture' or 'any'.

2.4 Nominal volume

A change to the nominal volume other than a change that is a consequence of a change to another attribute of a water allocation.

2.5 Other

A change to a water allocation that requires an amendment to this ROP, other than an amendment provided for in Chapter 8.

3 Application for change under s.130 of the Water Act

If a water allocation holder wishes to apply for a change to a water allocation that is not permitted under Section 1 above, and not prohibited under Section 2 above, then application may be made under s.130 of the Water Act for the change.

The chief executive will deal with any and all applications made under s.130 of the Water Act, in accordance with the Act. That process is as follows. Notice of the application is published in local newspapers. The notice includes information about where the application can be inspected and invites submissions from the public on the application. The chief executive determines if the application should be approved having regard to the potential impact on other interests including entitlement holders and natural ecosystems. If the chief executive approves the application, then the chief executive issues a change certificate that may be lodged with the registrar of water allocations. If the chief executive refuses the application, then the applicant can appeal to the Land Court.

3.1 Purpose

Any application to change the purpose of a water allocation from 'distribution loss' to 'any' must be supported by information to substantiate to the satisfaction of the chief executive an efficiency gain within the distribution system.

4 Registration of change

If an application to change a water allocation is approved, the chief executive will issue a change certificate. The water allocation holder may lodge the change certificate with the registrar of water allocations who will change the water allocation on the water allocation register. However, the registrar will not register the change until a supply contract has been entered into between the water allocation holder and the ROL holder (e.g. SunWater) for supply of the changed water allocation.

Attachment

4.2A

Upper Burnett Water Supply Scheme: Details of conversions to water allocations

Table 1: Details of conversions to water allocations

Water Allocation Number	Family Name/ Company	Share of Water Allocation	Location	Purpose	Nominal Volume (ML/water year)	Priority	Converting Authorisation
4164	North Burnett Regional Council	1	OC	Any	200	High	102977
4165	SunWater	1	OC	Any	150	Medium	102974

**Attachment
4.2B Upper Burnett Water Supply Scheme:
Reserved for future amendments**

**Attachment
4.2C Upper Burnett Water Supply Scheme:
Reserved for future amendments**

Attachment**4.2D****Upper Burnett Water Supply Scheme:
Infrastructure details****Table 1: Wuruma Dam (including Saddle Dam) – Nogo River – AMTD 23**

Description of Water Infrastructure	
Main embankment	Mass concrete dam
Full supply level	228.29 m AHD
Saddle dam(s)	Saddle dam
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	165 400 ML
Dead storage volume	2 430 ML
Storage curves/tables	Drawing no: A3-06900 & 106901
Spillway Arrangement	
Description of works	Reinforced concrete crest and chute
Spillway level	228.29 m AHD
Spillway width	91.4 m
Discharge characteristics	Drawing no: HYDSYS Rating Curve #70 for GS 136113A
River Inlet/Outlet Works	
Description of works	River Outlet: High level outlet works – The outlets to pass regulated supplies down the stream consist of two 900 mm steel pipes through the dam. Each outlet is fitted with a 900 mm diameter guard (butterfly) valve and a 750 mm diameter regulating (cone dispersion) valve operated from the valve house. Low level outlet works – Low level outlet works consist of a single 450 mm diameter pipe. Two 450 mm gate valves provide control. A 125 mm vent pipe comes from this pipe immediately downstream from the second valve and discharges on the downstream face of the dam.
Multilevel inlet	High level inlets – Rectangular reinforced concrete inlet tower with trash racks that cover inlets on the upstream side of the tower. Slotted inlets are on adjacent sides of the tower. The inlet works consist of two mild steel 900 mm diameter bellmouths. A bulkhead lowered through a guide assembly provides shut-off capability. Low level inlet – The inlet works consist of a single 450 mm mild steel bellmouth with trash rack.
Cease to flow levels	High level outlet: invert 204.14 m AHD Low level outlet: invert 192.78 m AHD High level inlet: invert 204.52 m AHD Low level inlet: invert 192.78 m AHD
Discharge characteristics	The estimated maximum discharge capacity of the outlet is 1 250 ML/day.
Fish Transfer System	
Description of works	Nil

Table 2: John Goleby Weir – Burnett River – AMTD 324.8

Description of Water Infrastructure	
Main embankment	Weir (steel sheet piling cascade)
Full supply level	167.8 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	1 690 ML
Dead storage volume	160 ML
Storage curves/tables	Drawing no: A3-72950F
Spillway Arrangement	
Description of works	Steel sheet piling cascade
Spillway level	167.8 m AHD
Spillway width	100 m
Discharge characteristics	Drawing no: A3-85350
River Inlet/Outlet Works	
Description of works	Outlet works consist of a single 1 750 mm diameter steel pipe, which reduces to a single 610 mm diameter steel pipe through an orifice plate. Control is provided at the outlet by a 600 mm diameter sluice valve.
Multilevel inlet	Single level inlet structure. A 750 mm diameter flap valve provides control. There is an inlet screen and provision for a bulkhead gate.
Cease to flow levels	Outlet works: invert 163 m AHD
Discharge characteristics	Estimated maximum discharge capacity of outlet 225 ML/day.
Fish Transfer System	
Description of works	Nil

Table 3: Jones Weir – Burnett River – AMTD 240.1

Description of Water Infrastructure	
Main embankment	Weir
Full supply level	110.03 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	3 720 ML
Dead storage volume	10 ML
Storage curves/tables	Drawing no: A3-64663A
Spillway Arrangement	
Description of works	Ogee crest along width of weir
Spillway level	110.03 m AHD
Spillway width	157.3 m
Discharge characteristics	Drawing no: HYDSYS Rating Curve #30 for GS 136004A
River Inlet/Outlet Works	
Description of works	Outlet works consist of a single 900 mm square conduit through the concrete wall. This outlet is now the only outlet that is operated and replaces the original outlet works, which are on the left side of the weir. The outlet works on the right side of the weir have been completely silted up and are not operational.
Multilevel inlet	Single level inlet works consist of a concrete inlet chamber provided with trash screens and dropboard shut off facility. A vertical lift gate that is mechanically actuated and operated manually from the crest of the weir provides control.
Cease to flow levels	104.53 m AHD
Discharge characteristics	River Outlet – Estimated maximum discharge capacity of outlet is 330 ML/day. Drawing no: to be advised
Fish Transfer System	
Description of works	Nil

Table 4: Claude Wharton Weir – Burnett River – AMTD 202.4

Description of Water Infrastructure	
Main embankment	Weir
Full supply level	94.4 m AHD
Saddle dam(s)	Nil
Fabridam	Inflatable rubber bags
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	12 800 ML
Dead storage volume	120 ML
Storage curves/tables	Drawing no: A3-213616
Spillway Arrangement	
Description of works	Mass concrete and inflatable bag
Spillway level	94.4 m AHD
Spillway width	166.5 m
Discharge characteristics	Drawing no: to be advised
River Inlet/Outlet Works	
Description of works	Outlet Works: High level outlet works – High level outlet works consist of two 1 524 mm x 1 524 mm outlets. Two vertical lift gates that are hydraulically actuated, electrically operated and manually controlled within a control building provide control. Interchangeable bulkhead gates provide shut off facility, for maintenance purposes. Low level outlet works – Low level outlet works consist of a single 1 800 mm diameter concrete pipe, which connects to a 2 100 mm x 2 100 mm conduit. Control is provided by a vertical lift gate, which is hydraulically actuated, electrically operated and manually controlled within a control building.
Multilevel inlet	The high and low level inlets are separate entities. High level inlet works – Inlet works consist of four 2 650 mm x 1 500 mm inlets. The inlets are provided with removable trash screens and shut off can be achieved by the placement of bulkhead gates. Low level inlet works – The inlet structure has two 2 650 mm x 3 665 mm inlets with removable trash screens and shut off capability provided by bulkhead gates.
Cease to flow levels	High level inlets/outlets: 90 m AHD Low level/outlet: 86.5 m AHD
Discharge characteristics	Estimated maximum discharge capacity of outlet is 3 380 ML/day. Drawing no: to be advised
Fish Transfer System	
Description of works	Fish Lock

Table 5: Kirar Weir – Burnett River – AMTD 300.4

Description of Water Infrastructure	
Main embankment	Weir
Full supply level	153 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	9 540 ML
Dead storage volume	21 ML
Storage curves/tables	Drawing no: 219232
Spillway Arrangement	
Description of works	A 117 m central section between embankments
Spillway level	153 m AHD
Spillway width	117 m
Discharge characteristics	Refer to Appendix A – Staged development case submission 17 December 2004
River Inlet/Outlet Works	
Description of works	The outlet consists of a 10.8 m long, 1.5 m high and 1.2 m high rectangular outlet culvert. The outlet is a hydraulically controlled vertical lift gate with trashscreen and baffle dissipater.
Multilevel inlet	Variable level intake tower
Cease to flow levels	EL 142.5 m AHD
Discharge characteristics	Estimated maximum discharge capacity of outlet is 1 420 ML/day 80% gate open – Normal operating operation is 1 470 ML/day 100% gate open.
Fish Transfer System	
Description of works	Fish Lock

Attachment

4.2E

Attachment number not used

Attachment

4.2F

Attachment number not used

Attachment**4.2G****Upper Burnett Water Supply Scheme:
Monitoring program****1 Water quantity****1.1 Stream flow (storage inflow and tailwater flow) and storage water level**

- (1) The ROL holder must record water level and volume, inflow and flow data in accordance with Table 1.
- (2) Tailwater flows may be obtained from gauging station data, or where there is no gauging station, tailwater flows may be calculated using the release curve developed for the discharge works and for the headwater discharge.

Table 1: Locations where data is required

Location	Gauging Station Site Identification	AMTD km	Water level and volume data	Daily inflow data	Daily flow data
Wuruma Dam headwater	GS 136113A	22.8	✓		
Wuruma Dam tailwater	GS 136109B	22.3			✓
Kirar Weir headwater	GS 136121A	300.4	✓		
Kirar Weir tailwater	TBA	TBA			✓
John Goleby Weir headwater	GS 136120A	324.7	✓		
Claude Wharton Weir headwater	GS 136003D	202.4	✓	✓	

1.2 Reserved for future amendments**1.3 Releases from storages**

- (1) This section applies to the following storages:
- Claude Wharton Weir
 - Jones Weir
 - Kirar Weir
 - Wuruma Dam
 - John Goleby Weir
- (2) The ROL holder must record on a daily basis for each storage outlet:
- the volume released;
 - the release rate, and for each change in release rate:
 - the date and time of the change; and

- (ii) the new release rate;
 - (c) the ROL holder must record for each storage outlet the reason for each release and the component volumes⁵ for each release; and
 - (d) for storages with a multilevel outlet, the water level from which the release was made.
- (3) The ROL holder must record the operations of the Claude Wharton Weir fabridam as follows:
- (a) date and time the Claude Wharton Weir storage level reaches the specified trigger levels that initiate inflation and deflation of the fabridam; and
 - (b) provision of confirmation, including date and time, that the fabridam completed its full inflation or deflation cycle.

1.4 Announced allocations

The ROL holder must record details of announced allocation determinations referred to in Section 1 of Attachment 4.2F, including:

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

1.5 Transfer of water between water years

The ROL holder must record details of the transfer of water between water years.

1.6 Water taken by water users

The ROL holder must record the volume of water taken by each water user per zone as follows:

- (a) the total volume of water taken each quarter;
- (b) the total volume of water entitled to be taken at any time;
- (c) the basis for determining the total volume of water entitled to be taken at any time; and
- (d) the basis for determining the total volume of water entitled to be taken including adjustments for volumes moved into or out of the water year and seasonal water assignments.

1.7 Seasonal water assignments

The ROL holder must record the details of seasonal water assignment arrangements including:

⁵ Component volumes comprise of the following;

- passing flows under the low flow management strategy, where applicable;
- passing flows under the medium to high flow management strategy, where applicable;
- volume released for water supply in the storage's local supply area;
- an estimate of the volume released to meet transmission and operating losses in the storage's local supply area;
- volume released to maintain the water level in the next downstream storage;
- volume released through fishways;
- total volume released from the storage; and
- for storages with a multilevel outlet, the water level from which the release was made.

- (a) the name, volume and location of water seasonally assigned by individuals;
and
- (b) the name, volume and location of individuals that received a seasonal assignment.

1.8 Critical water supply sharing arrangements

The ROL holder must record details of any restrictions on the supply of high priority water due to the application of critical water sharing arrangements including:

- (a) the dates of restrictions;
- (b) the nature of restrictions; and
- (c) the basis of the determination of restrictions including the minimum allocation for high priority users.

2 Impact of storage operation on aquatic ecosystems

The ROL holder must undertake the following to establish any impacts on aquatic ecosystems potentially related to the operation of storages.

2.1 Water quality

The ROL holder must monitor water quality in relation to relevant infrastructure in accordance with the Department's Water Monitoring Data Collection Standard.

2.2 Bank condition

(1) The ROL holder must inspect banks for evidence of collapse and/or erosion within the ponded area and downstream of storages following instances of rapid water level changes or large flows through storages, or other occasions when collapse and/ or erosion of banks may be likely.

(2) The distance downstream is the distance of influence of storage operations.

2.3 Fish stranding

The ROL holder must record and assess reported instances of fish stranding in watercourses and ponded areas associated with the operation of infrastructure of the ROL holder as listed in Attachment 4.2D to determine if any instance is associated with the operation of that infrastructure.

3 Reporting

Reporting requirements

There are four levels of reporting for ROL holders:

- (1) Quarterly reports;
- (2) Annual reports for the previous water year;
- (3) Operational reports; and
- (4) Emergency reports.

Unless otherwise specified in the ROP, reporting must be consistent with the Department's Water Monitoring Data Reporting Standard.

3.1 Quarterly reporting

The ROL holder must submit a quarterly report to the chief executive after the end of each quarter, of every water year. The report should contain the following data or information:

- (a) verified stream flow, storage inflow and water level – all records referred to in Section 1.1;
- (b) releases from storages – the daily volumes released referred to in Section 1.3
- (c) water quality – all records referred to in Section 2.1; and
- (d) a summary of bank condition monitoring carried out in accordance with Section 2.2, which may include incidences of slumping.

3.2 Annual report

The ROL holder must submit an annual report to the chief executive after the end of each water year.

Water quantity reporting

- (1) The annual report must include a summary of:
 - (a) announced allocation determinations including:
 - (i) an evaluation of the announced allocation procedures and outcomes; and
 - (ii) the date and value for each announced allocation;
 - (b) instances where critical water supply sharing rules have been implemented, including:
 - (i) an evaluation of the effectiveness of the rules and outcomes; and
 - (ii) the commencement date(s) and time period(s) for which the rules were in effect;
 - (c) the total annual volume of water taken by all water users, specified by zone, namely:
 - (i) the total volume of supplemented water taken;
 - (ii) the total volume of supplemented water entitled to be taken; and
 - (iii) the basis for determining the volume entitled to be taken;
 - (d) seasonal water assignments, specified by scheme, namely:
 - (i) the total number of seasonal water assignment arrangements; and
 - (ii) the total volume of water seasonally assigned.
- (2) The annual report must include:
 - (a) all details of changes to the storage and delivery infrastructure, or the operation of storages and delivery infrastructure that may impact on compliance with rules in this plan; and
 - (b) details of any new monitoring devices used such as equipment to measure stream flow.
- (3) The annual report must include a discussion on any other issues that arose as a result of the implementation and application of the rules and requirements in this plan.
- (4) The annual report must include water taken by each water user as follows:
 - (a) the total volume of water taken for each zone;
 - (b) the total volume entitled to be taken for each zone; and

- (c) the basis for determining the total volume of water entitled to be taken.

Impact of storage operation on water quality

- (1) The annual report must include:
- (a) a summary of environmental considerations made by the ROL holder in making operational and release decisions; and
 - (b) a summary of the environmental outcomes of the decision including any adverse environmental impacts.
- (2) The annual report must include a summary of bank condition and fish stranding monitoring and assessment including:
- (a) results of investigations of bank slumping or erosion identified in ponded areas and/or downstream of storages;
 - (b) results of any investigations of fish stranding downstream of storages; and
 - (c) changes to operation of storages to reduce instances of bank slumping, erosion or fish stranding.
- (3) The annual report must include a discussion and assessment of the following water quality issues:
- (a) water quality in each storage;
 - (b) thermal and chemical stratification in each storage;
 - (c) contribution of the storage and its management to the quality of water released;
 - (d) cumulative effect of successive storages on water quality;
 - (e) Cyanobacterial population changes in response to stratification in each storage; and
 - (f) any changes to the monitoring program as a result of evaluation of the data.

3.3 Operational report

- (1) The ROL holder must notify the chief executive within one business day:
- (a) upon becoming aware of any of the following operational incidents:
 - (i) a non-compliance by the ROL holder with the rules given in this plan likely to affect the outcomes of the plan; and
 - (ii) instances when a waterhole is drawn down 0.5m below cease to flow level; and
 - (iii) instances of fish stranding, blue-green algae growth or bank slumping within the ponded areas or downstream of storages associated with the operation of the Upper Burnett Water Supply Scheme.
 - (b) upon making a decision relating to:
 - (i) an initial announced allocation and/or its revision;
 - (ii) any restrictions on the taking of medium priority water;
 - (iii) upon activation of critical water supply arrangements; and
 - (iv) details of any arrangements for addressing circumstances where they are unable to supply water allocations.
- (2) The ROL holder must provide the chief executive with:
- (a) a report on the occurrence of any of the operational incidents discussed in Subsection (1)(a). The report must include details of the incident, conditions

- under which the incident occurred and any responses or activities carried out as a result of the incident;
- (b) a summary of any other non-compliances by the ROL holder with the rules given in this plan;
 - (c) relevant supporting information used in making a decision relating to:
 - (i) an initial announced allocation and/or its revision; and
 - (ii) any restrictions on the taking of medium priority water; and
 - (d) details of any seasonal water assignments approved by the ROL holder.
- (3) The ROL holder must provide within ten business days the chief executive with a report of supplemented water being taken through a NRW water meter. The ROL holder must report the meter readings at the start and finish of the taking of water and the approved quantities of supplemented water taken.

3.4 Emergency report⁶

In an emergency where the licence holder cannot comply with the conditions of the ROP as a result of the emergency, the ROL holder must:

- (a) notify the chief executive; and
- (b) provide a report to the chief executive including:
 - (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 licence holder is either permanently or temporarily unable to comply with due to the emergency.

⁶ This does not preclude requirements for dam safety under the *Water Act 2000* and any other applicable legislation

Attachment**4.2H****Upper Burnett Water Supply Scheme:
Water allocation change rules****1 Permitted changes**

Application for the following changes to a water allocation will be approved. On approval, a change certificate will be issued by the chief executive, which may be lodged with the registrar of water allocations.

1.1 Location

A water allocation holder may apply to change the location of the water allocation within any zone; or:

- between GY, and GB, NA, NB, NC, OA, MA, OB, OC, SB;
- between GB, and GY, NA, NB, NC, OA, MA, OB, OC, SB;
- between NB, and GY, GB, NA, NC, OA, MA, OB, OC, SB;
- between NA, and GY, GB, NB, NC, OA, MA, OB, OC, SB;
- between NC, and GY, GB, NB, NA, OA, MA, OB, OC, SB;
- between OA, and GY, GB, NB, NA, NC, MA, OB, OC, SB;
- between MA, and GY, GB, NB, NA, OA, NC, OB, OC, SB;
- between SB, and GY, GB, NB, NA, OA, NC, MA, OC, OB;
- between OB, and GY, GB, NB, NA, OA, NC, MA, OC, SB;
- between OC, and GY, GB, NB, NA, OA, NC, OB, MA, SB; or
- between OD and PA.

The proposed change is not a permitted change if the proposed change would result in a distribution of medium and high priority water allocations not provided for in Tables 1 and 2.

Table 1: Permitted distributions of high priority water allocations and IWA in the Upper Burnett Water Supply Scheme by zone

Zone	GY	GB	MA	NA	NB	NC	OA	OB	OC	OD	PA	SA	SB
Minimum nominal volume of high priority water allocation (ML)	0	0	0	820	0	0	320	0	200	0	0	0	10
Maximum nominal volume of high priority water allocation (ML)	180	0	0	1 000	0	0	320	0	350	0	0	0	10

Table 2: Permitted distributions of medium priority water allocations and IWAs in the Upper Burnett Water Supply Scheme by zone

Zone	GY	GB	NA	NB	NC	MA	OA	OB	OC	SA	SB	OD	PA
Minimum nominal	960	913	1 951	3 488	2 411	883	5	6 405	0	0	0	0	0

volume of medium priority water allocation (ML)							863						
Maximum nominal volume of medium priority water allocation (ML)	7 410	7 363	8 601	10 138	12 861	10 593	16 253	11 005	4 283	4 000	4 050	1 560	1 560
Maximum nominal volume of medium priority water allocation (ML) for combined zones	14 444			20 507			11 338			1 560			

1.2 Seasonal assignment

A water allocation holder may apply to change the location of the water allocation within any zone or:

- between GY, and GB, NA, NB, NC, OA, MA, OB, OC, SB;
- between GB, and GY, NA, NB, NC, OA, MA, OB, OC, SB;
- between NB, and GY, GB, NA, NC, OA, MA, OB, OC, SB;
- between NA, and GY, GB, NB, NC, OA, MA, OB, OC, SB;
- between NC, and GY, GB, NB, NA, OA, MA, OB, OC, SB;
- between OA, and GY, GB, NB, NA, NC, MA, OB, OC, SB;
- between MA, and GY, GB, NB, NA, OA, NC, OB, OC, SB;
- between SB, and GY, GB, NB, NA, OA, NC, MA, OC, OB;
- between OB, and GY, GB, NB, NA, OA, NC, MA, OC, SB;
- between OC, and GY, GB, NB, NA, OA, NC, OB, MA, SB; or
- between OD and PA.

The proposed change is not a permitted change if the proposed change would result in use of medium and high priority water allocations not provided for in Tables 3 and 4.

Table 3: Permitted use of high priority water allocations and IWA in the Upper Burnett Water Supply Scheme by zone

Zone	GY	GB	MA	NA	NB	NC	OA	OB	OC	OD	PA	SA	SB
Minimum nominal volume of high priority water allocation (ML)	0	0	0	820	0	0	320	0	200	0	0	0	10
Maximum nominal volume of high priority water allocation (ML)	180	0	0	1 000	0	0	320	0	350	0	0	0	10

Table 4: Permitted use of medium priority water allocations and IWAs in the Upper Burnett Water Supply Scheme by zone

Zone	GY	GB	NA	NB	NC	MA	OA	OB	OC	SA	SB	OD	PA
Minimum nominal volume of medium	960	913	1 951	3 488	2 411	883	5 863	6 405	0	0	0	0	0

priority water use (ML)														
Maximum nominal volume of medium priority water use (ML)	7 410	7 363	8 601	10 138	12 861	10 593	16 253	11 005	4 283	4 000	4 050	1 560	1 560	
Maximum nominal volume of medium priority water use (ML) for combined zones	14 444			20 507			11 338			1 560				

1.3 Purpose

A water allocation holder may apply to change the purpose from 'any' to 'agriculture' or from 'agriculture' to 'any'.

1.4 Subdivision and amalgamation

A water allocation holder may apply to subdivide a water allocation into two or more water allocations, or to amalgamate two or more water allocations into a single water allocation.

2 Prohibited changes

The following changes are prohibited changes.

2.1 Location

A change to a location that is not mentioned in Table 1, 2, 3 or 4.

2.2 Priority group

A change to a priority group that is not 'medium' or 'high'.

2.3 Purpose

A change to a purpose that is not 'agriculture' or 'any'.

2.4 Nominal volume

A change to the nominal volume other than a change that is a consequence of a change to another attribute of a water allocation.

2.5 Other

A change to a water allocation that requires an amendment to this ROP, other than an amendment provided for in Chapter 8.

3 Application for change under s.130 of the Water Act

If a water allocation holder wishes to apply for a change to a water allocation that is not permitted under Section 1 above, and not prohibited under Section 2 above, then application may be made under s.130 of the *Water Act 2000* for the change.

The chief executive will deal with any and all applications made under s.130 of the *Water Act 2000*, in accordance with the Act. That process is as follows. Notice of the application is published in local newspapers. The notice includes information about where the application can be inspected and invites submissions from the public on the application. The chief executive determines if the application should be approved having regard to the potential impact on a range of interests including other entitlement holders and natural ecosystems. If the chief executive approves the application, then the chief executive issues a change certificate that may be lodged with the registrar of water allocations. If the chief executive refuses the application, then the applicant can appeal to the Land Court.

4 Registration of change

If an application to change a water allocation is approved, the chief executive will issue a change certificate. The water allocation holder may lodge the change certificate with the registrar of water allocations who will change the water allocation on the water allocation register. However, the registrar will not register the change until a supply contract has been entered into between the water allocation holder and the ROL holder (e.g. SunWater) for supply of the changed water allocation.

Attachment

4.3A

**Barker Barambah Water Supply
Scheme:
Reserved for future amendments**

Attachment

4.3B

**Barker Barambah Water Supply
Scheme:
Reserved for future amendments**

Attachment

4.3C

**Barker Barambah Water Supply
Scheme:
Reserved for future amendments**

Attachment**4.3D****Barker Barambah Water Supply Scheme:
Infrastructure details****Table 1: Bjelke-Petersen Dam – Barker Creek – AMTD 1.3**

Description of Water Infrastructure	
Main embankment	Earth and Rockfill Dam
Full supply level	EL 307.3 m AHD
Saddle dam(s)	1
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	134 900 ML
Dead storage volume	1 000 ML
Storage curves/tables	Drawing no: 213617A
Spillway Arrangement	
Description of works	Ogee crest of mass concrete flanked by converging side walls, with a curved approach channel.
Spillway level	307.3 m AHD
Spillway width	80 m
Discharge characteristics	HYDSYS Rating Table #90 for GS 136210A (Bjelke-Petersen Dam Headwater Gauge).
River Inlet/Outlet Works	
Description of works	Outlet works consisting of a reinforced concrete inlet tower which is connected to a 2.4 m diameter reinforced concrete diversion tunnel. There are three outlets: <ul style="list-style-type: none"> • a single 900 mm diameter offtake for the Redgate pipeline; and • two 920 mm diameter outlets which discharge to Barker Creek controlled by 900 mm diameter cone dispersion valves.
Multilevel inlet	Inlet works consist of a reinforced concrete inlet tower with trash screens and a baulk arrangement that permits control over the level from which the water is drawn. A drop inlet bulkhead gate that is controlled by a hoist provides shut off.
Cease to flow level	Base of the inlet tower: EL 287 m AHD.
Discharge characteristics	The estimated maximum discharge capacity of the river outlet is 400 ML/day. The Redgate pipeline outlet has a maximum discharge of 78 ML/day.
Fish Transfer System	
Description of works	Nil

Table 2 Joe Sippel Weir – Barambah Creek – AMTD 171.8

Description of Water Infrastructure	
Main embankment	Weir
Full supply level	EL 295 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	710 ML
Dead storage volume	96 ML
Storage curves/tables	Drawing no: A3-55954A
Spillway Arrangement	
Description of works	Top of sheet piling weir
Spillway level	295 m AHD
Spillway width	36.34 m
Discharge characteristics	HYDSYS Rating Table #90 for GS 136215A (Joe Sippel Weir Headwater Gauge).
River Inlet/Outlet Works	
Description of works	Outlet works consist of a 450 mm diameter outlet. Flow control is provided by a single 450 mm butterfly valve.
Multilevel inlet	Single level offtake: Inlet works consist of a reinforced concrete inlet chute provided with a trash screen and shut off facility by an aluminium drop board. There is also an offtake location in the backwater of the Joe Sippel Weir that is connected to the Upper Redgate pipeline.
Cease to flow level	Invert of outlet EL 291.32 m AHD corresponding to a storage volume of 96 ML.
Discharge characteristics	The maximum discharge of the outlet is estimated to be 75 ML/day.
Fish Transfer System	
Description of works	Nil

Table 3 Silverleaf Weir – Barambah Creek – AMTD 120.4

Description of Water Infrastructure	
Main embankment	Weir
Full supply level	EL 264.26 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	580 ML
Dead storage volume	26 ML
Storage curves/tables	Drawing no: A3-110875 and A3-110876
Spillway Arrangement	
Description of works	Full width timber, earth and rock weir
Spillway level	Crest 264.26 m AHD
Spillway width	31.09 m
Discharge characteristics	HYDSYS Rating Table #1 for GS 136205A (Silverleaf Weir Headwater Gauge).
River Inlet/Outlet Works	
Description of works	A 1 000 mm diameter outlet. Control is provided by a 750 mm x 750 mm slide gate.
Multilevel inlet	None
Cease to flow level	EL 261.84 m AHD. Storage capacity 174 ML.
Discharge characteristics	The maximum discharge capacity of the river outlet is estimated to be 346 ML/day.
Fish Transfer System	
Description of works	Nil

Attachment

4.3E

Attachment number not used

Attachment

4.3F

Attachment number not used

Attachment**4.3G****Barker Barambah Water Supply Scheme:
Monitoring program****1 Water quantity****1.1 Stream flow (storage inflow and tailwater flow) and storage water level**

- (1) The ROL holder must record water level and volume, daily inflow and flow data in accordance with Table 1.
- (2) The ROL holder must record continuous time series height and flow data for tailwater flows as indicated in Table 1.

Table 1 Locations where data is required

Location	Gauging Station Site Identification	AMTD km	Water level and volume data	Daily flow data
Ficks Crossing	GS 136212A	141.5		✓
Stonelands	GS 136206A	90.2		✓
Silverleaf Weir headwater	GS 136205A	120.4	✓	
Silverleaf Weir tailwater	GS 136214A	120.3		✓
Bjelke-Petersen Dam headwater	GS 136210A	1.4	✓	
Bjelke-Petersen Dam tailwater ⁷	GS 136211A	1.0		✓
Joe Sippel Weir headwater	GS 136215A	171.8	✓	
Joe Sippel Weir tailwater	GS 136216A	171.7		✓
Joe Sippel Weir (Redgate Pipeline Outlet)	GS 136217A	0.0		✓

1.2 Reserved for future amendments**1.3 Releases from storages**

- (1) This section applies to the following storages:
 - (a) Silverleaf Weir;
 - (b) Bjelke-Petersen Dam; and
 - (c) Joe Sippel Weir.

- (2) The ROL holder must record on a daily basis for each storage outlet:

⁷ This gauging station only measures release water. Total tailwater discharge will need to be calculated from headwater discharge data and any releases.

- (a) the 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 ROL holder must record for each storage outlet the reason for each release and the component volumes⁸ for each release;
- (d) for storages with a multilevel outlet, the water level from which the release was made.

1.4 Announced allocations

The ROL holder must record details of announced allocation determinations referred to in Section 1 of Attachment 4.3F, including:

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

1.5 Transfer of water between water years

The ROL holder must record details of the transfer of water between water years.

1.6 Water taken by water users

The ROL holder must record the volume of water taken by each water user per zone as follows:

- (a) the total volume of water taken each quarter;
- (b) the total volume of water entitled to be taken at any time;
- (c) the basis for determining the total volume of water entitled to be taken at any time; and
- (d) the basis for determining the total volume of water entitled to be taken, including adjustments for volumes moved into or out of the water year and seasonal water assignments.

1.7 Seasonal water assignments

The ROL holder must record the details of seasonal water assignment arrangements including:

- (a) the name, volume and location of water seasonally assigned by individuals; and
- (b) the name, volume and location of individuals that received a seasonal assignment.

⁸ Component volumes comprise of the following;

- passing flows under the low flow management strategy, where applicable;
- passing flows under the medium to high flow management strategy, where applicable;
- volume released for water supply in the storage's local supply area;
- an estimate of the volume released to meet transmission and operating losses in the storage's local supply area;
- volume released to maintain the water level in the next downstream storage;
- volume released through fishways;
- total volume released from the storage; and
- for storages with a multilevel outlet, the water level from which the release was made.

1.8 Critical water supply sharing arrangements

The ROL holder must record details of any restrictions on the supply of high priority water due to the application of critical water sharing arrangements including:

- (a) the dates of restrictions;
- (b) the nature of restrictions; and
- (c) the basis of the determination of restrictions including the minimum allocation for high priority users.

2 Impact of storage operation on aquatic ecosystems

The ROL holder must undertake the following to establish any impacts on aquatic ecosystems potentially related to the operation of storages.

2.1 Water quality

The ROL holder must monitor water quality in relation to relevant infrastructure in accordance with the Department's Water Monitoring Data Collection Standard.

2.2 Bank condition

- (1) The ROL holder must inspect banks for evidence of collapse and/or erosion within the ponded area and downstream of storages following instances of rapid water level changes or large flows through storages, or other occasions when collapse and/or erosion of banks may be likely.
- (2) The distance downstream is the distance of influence of storage operations.

2.3 Fish stranding

The ROL holder must record and assess reported instances of fish stranding in watercourses and ponded areas associated with the operation of infrastructure of the ROL holder as listed in Attachment 4.3D to determine if any instance is associated with the operation of that infrastructure.

3 Reporting

Reporting requirements

There are four levels of reporting for ROL holders:

- (1) Quarterly reports;
- (2) Annual reports for the previous water year;
- (3) Operational reports; and
- (4) Emergency reports.

Unless otherwise specified in the ROP, reporting must be consistent with the Department's Water Monitoring Data Reporting Standard.

3.1 Quarterly reporting

The ROL holder must submit a quarterly report to the chief executive after the end of each quarter, of every water year. The report should contain the following data or information:

- (a) verified stream flow, storage inflow and water level – all records referred to in Section 1.1;
- (b) releases from storages – the daily volumes released referred to in Section 1.3;
- (c) water quality – all records referred to in Section 2.1; and
- (d) a summary of bank condition monitoring carried out in accordance with Section 2.2, which may include incidences of slumping.

3.2 Annual report

The ROL holder must submit an annual report to the chief executive after the end of each water year.

Water quantity reporting

- (1) The annual report must include a summary of:
 - (a) announced allocation determinations including:
 - (i) an evaluation of the announced allocation procedures and outcomes; and
 - (ii) the date and value for each announced allocation;
 - (b) instances where critical water supply sharing rules have been implemented, including:
 - (i) an evaluation of the effectiveness of the rules and outcomes; and
 - (ii) the commencement date(s) and time period(s) for which the rules were in effect;
 - (c) the total annual volume of water taken by all water users, specified by zone, namely:
 - (i) the total volume of supplemented water taken;
 - (ii) the total volume of supplemented water entitled to be taken; and
 - (iii) the basis for determining the volume entitled to be taken;
 - (d) seasonal water assignments, specified by scheme, namely:
 - (i) the total number of seasonal water assignment arrangements; and
 - (ii) the total volume of water seasonally assigned.
- (2) The annual report must include:
 - (a) all details of changes to the storage and delivery infrastructure, or the operation of storages and delivery infrastructure that may impact on compliance with rules in this plan; and
 - (b) details of any new monitoring devices used such as equipment to measure stream flow.
- (3) The annual report must include a discussion on any other issues that arose as a result of the implementation and application of the rules and requirements in this plan.
- (4) The annual report must include water taken by each water user as follows:
 - (a) the total volume of water taken for each zone;
 - (b) the total volume entitled to be taken for each zone; and
 - (c) the basis for determining the total volume of water entitled to be taken.

Impact of storage operation on water quality

- (1) The annual report must include:
 - (a) a summary of environmental considerations made by the ROL holder in making operational and release decisions; and
 - (b) a summary of the environmental outcomes of the decision including any adverse environmental impacts.
- (2) The annual report must include a summary of bank condition and fish stranding monitoring and assessment including:
 - (a) results of investigations of bank slumping or erosion identified in ponded areas and/or downstream of storages;
 - (b) results of any investigations of fish stranding downstream of storages; and
 - (c) changes to operation of storages to reduce instances of bank slumping, erosion or fish stranding.
- (3) The annual report must include a discussion and assessment of the following water quality issues:
 - (a) water quality in each storage;
 - (b) thermal and chemical stratification in each storage;
 - (c) contribution of the storage and its management to the quality of water released;
 - (d) cumulative effect of successive storages on water quality;
 - (e) Cyanobacterial population changes in response to stratification in each storage; and
 - (f) any changes to the monitoring program as a result of evaluation of the data.

3.3 Operational report

- (1) The ROL holder must notify the chief executive within one business day:
 - (a) upon becoming aware of any of the following operational incidents:
 - (i) a non-compliance by the ROL holder with the rules given in this plan likely to affect the outcomes of the plan; and
 - (ii) instances when a waterhole is drawn down 0.5m below cease to flow level; and
 - (iii) instances of fish stranding, blue-green algae growth or bank slumping within the ponded areas or downstream of storages associated with the operation of the Barker Barambah Water Supply Scheme.
 - (b) upon making a decision relating to:
 - (i) an initial announced allocation and/or its revision;
 - (ii) any restrictions on the taking of medium priority water;
 - (iii) upon activation of critical water supply arrangements; and
 - (iv) details of any arrangements for addressing circumstances where they are unable to supply water allocations.
- (2) The ROL holder must provide the chief executive with:
 - (a) a report on the occurrence of any of the operational incidents discussed in Subsection (1)(a). The report must include details of the incident, conditions under which the incident occurred and any responses or activities carried out as a result of the incident;

- (b) a summary of any other non-compliances by the ROL holder with the rules given in this plan;
 - (c) relevant supporting information used in making a decision relating to:
 - (i) an initial announced allocation and/or its revision; and
 - (ii) any restrictions on the taking of medium priority water; and
 - (d) details of any seasonal water assignments approved by the ROL holder.
- (3) The ROL holder must provide within ten business days the chief executive with a report of supplemented water being taken through a NRW water meter. The ROL holder must report the meter readings at the start and finish of the taking of water and the approved quantities of supplemented water taken.

3.4 Emergency report⁹

In an emergency where the licence holder cannot comply with the conditions of the ROP as a result of the emergency, the ROL holder must:

- (a) notify the chief executive; and
- (b) provide a report to the chief executive including:
 - (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 licence holder is either permanently or temporarily unable to comply with due to the emergency.

⁹ This does not preclude requirements for dam safety under the *Water Act 2000* and any other applicable legislation

Attachment**4.3H****Barker Barambah Water Supply Scheme:
Water allocation change rules****1 Permitted changes**

Application for the following changes to a water allocation will be approved. On approval, a change certificate will be issued by the chief executive, which may be lodged with the registrar of water allocations.

1.1 Location

A water allocation holder may apply to change the location of the water allocation from one of the following zones to any other of those zones:

- between HB and HZ, HC, HD, HE, JA;
- between HC and HB, HZ, HD, HE, JA;
- between HD and HB, HZ, HC, HE, JA;
- between HE and HB, HZ, HC, HD, JA;
- between HZ and HB, HC, HD, HE, JA; or
- between JA and HB, HZ, HC, HD, HE.

The proposed change is not a permitted change if the proposed change would result in a distribution of medium or high priority water allocations not provided for in Tables 1 and 2.

Table 1: Permitted distributions of high priority water allocations in the Barker Barambah Water Supply Scheme by zone

Zones	HB	HZ	HC	HD	HE	JA
Minimum nominal volume of high priority water allocation (ML)	0	0	450	1 786	0	0
Maximum nominal volume of high priority water allocation (ML)	0	0	450	1 786	0	0

Table 2: Permitted distributions of medium priority water allocations in the Barker Barambah Water Supply Scheme by zone

Zones	HB	HZ	HC	HD	HE	JA
Minimum nominal volume of medium priority water allocation (ML)	9 633	4 953	6 147	777	4 343	24
Maximum nominal volume of medium priority water allocation (ML)	11 002	6 659	8 662	2 577	7 040	2 721
Minimum nominal volume of medium priority water allocation (ML) for combined zones	9 633	4 953	6 147	777	5 314	
Maximum nominal volume of medium priority water allocation (ML) for combined zones	16 661		8 662	2 577	7 314	
	11 002	15 321				

1.2 Seasonal assignment

A water allocation holder may apply for a seasonal change to the location of the water allocation from one of the following zones to any other of those zones:

- between HB and HZ, HC, HD, HE, JA;
- between HC and HB, HZ, HD, HE, JA;
- between HD and HB, HZ, HC, HE, JA;
- between HE and HB, HZ, HC, HD, JA;
- between HZ and HB, HC, HD, HE, JA; or
- between JA and HB, HZ, HC, HD, HE.

The proposed seasonal change is not a permitted change if the proposed change would result in a use of medium or high priority water allocations not provided for in Tables 3 and 4.

Table 3 Permitted use of high priority water allocations in the Barker Barambah Water Supply Scheme by zone

Zones	HB	HZ	HC	HD	HE	JA
Minimum nominal volume of high priority water allocation (ML)	0	0	450	1 786	0	0
Maximum nominal volume of high priority water allocation (ML)	0	0	450	1 324	0	0

Table 4: Permitted use of medium priority water allocations in the Barker Barambah Water Supply Scheme by zone

Zones	HB	HZ	HC	HD	HE	JA
Minimum nominal volume of medium priority water allocation (ML)	9 632	4 953	6 147	777	4 343	24
Maximum nominal volume of medium priority water allocation (ML)	11 002	6 659	8 662	2 577	7 040	2 721
Minimum nominal volume of medium priority water allocation (ML) for combined zones	9 632	4 953	6 147	777	5 314	
Maximum nominal volume of medium priority water allocation (ML) for combined zones	16 661		8 662	2 577	7 314	
	11 002	15 321				

1.3 Purpose

A water allocation holder may apply to change the purpose from 'any' to 'agriculture' or from 'agriculture' to 'any'.

1.4 Subdivision and amalgamation

A water allocation holder may apply to subdivide a water allocation into two or more water allocations, or to amalgamate two or more water allocations into a single water allocation.

2 Prohibited changes

The following changes are prohibited changes.

2.1 Location

A change to a location that is not mentioned in Tables 1, 2, 3 or 4.

2.2 Priority group

A change to a priority group that is not 'medium' or 'high'.

2.3 Purpose

A change to a purpose that is not 'agriculture' or 'any'.

2.4 Nominal volume

A change to the nominal volume other than a change that is a consequence of a change to another attribute of a water allocation.

2.5 Other

A change to a water allocation that requires an amendment to this ROP, other than an amendment provided for in Chapter 8.

3 Application for change under s.130 of the Water Act

If a water allocation holder wishes to apply for a change to a water allocation that is not permitted under Section 1 above, and not prohibited under Section 2 above, then application may be made under s.130 of the Water Act for the change.

The chief executive will deal with any and all applications made under s.130 of the Water Act, in accordance with the Act. That process is as follows. Notice of the application is published in local newspapers. The notice includes information about where the application can be inspected and invites submissions from the public on the application. The chief executive determines if the application should be approved having regard to the potential impact on other interests including entitlement holders and natural ecosystems. If the chief executive approves the application, then the chief executive issues a change certificate that may be lodged with the registrar of water allocations. If the chief executive refuses the application, then the applicant can appeal to the Land Court.

4 Registration of change

If an application to change a water allocation is approved, the chief executive will issue a change certificate. The water allocation holder may lodge the change certificate with the registrar of water allocations who will change the water allocation on the water allocation register. However, the registrar will not register the change until a supply contract has been entered into between the water allocation holder and the ROL holder (e.g. SunWater) for supply of the changed water allocation.

Attachment

4.4A

Boyne River and Tarong Water Supply Scheme: Reserved for future amendments

Attachment

4.4B

Boyne River and Tarong Water Supply Scheme: Reserved for future amendments

Attachment

4.4C

**Boyne River and Tarong Water Supply
Scheme: Reserved for future
amendments**

Attachment**4.4D****Boyne River and Tarong Water Supply Scheme: Infrastructure details****Table 1: Boondooma Dam – Boyne River – AMTD 86.7**

Description of Water Infrastructure	
Main embankment	Concrete faced rock-fill dam
Full supply level	EL 280.4 m AHD
Saddle dam(s)	Nil
Fabridam	Nil
Gates	Nil
Storage Volume and Surface Area	
Full supply volume	204 200 ML
Dead storage volume	8 360 ML
Storage curves/tables	Drawing no: A3-211850A
Spillway Arrangement	
Description of works	The spillway consists of a concrete crest and largely unlined chute excavated through rock on the northern abutment of Sandy Creek. Softer rocks in the chute are capped with concrete.
Spillway level	EL 280.4 m AHD
Spillway width	115 m
Discharge characteristics	Drawing no: A3-63064
River Inlet/Outlet Works	
Description of works	A single 2159 mm diameter pipe with a bellmouth from the diversion tunnel plug with a bifurcation into two 1 600 mm outside diameter (OD) offtakes which reduce to 1 200 mm OD and finally to 750 mm OD connected to 750 mm diameter cone dispersion valves providing control, discharging into a dissipater chamber. Shut off is provided by 1 200 mm diameter guard valves.
Multilevel inlet	Inlet works consist of a reinforced concrete inlet tower that is connected to a 4 000 mm inside diameter (ID) reinforced concrete shaft that has an inlet diameter of 2 200 mm at the base of the tower. The shaft is connected to a 4 000 mm ID reinforced concrete diversion tunnel.
Cease to flow level	EL 252 m AHD
Discharge characteristics	The estimated maximum discharge capacity of the outlet is 1 330 ML/day.
Fish Transfer System	
Description of works	Nil

Attachment**4.4E****Boyne River and Tarong Water Supply Scheme: Rules for operation of infrastructure****1 Rules for operation of storages and waterholes****1.1 Reserved for future amendments****1.2 Minimum operating levels for storages**

The minimum operating level for a storage is the level associated with the dead storage volume for that storage, as specified in Table 1.

Table 1: Minimum operating levels for storages

Storage	Minimum Operating Level (m AHD)
Boondooma Dam	252

An objective of setting the minimum operating level is to provide refuge habitat.

Water must not be released or supplied from a given storage when the water level in that storage is at or below its minimum operating level, unless otherwise authorised by the chief executive.

The ROL holder may apply to the chief executive for authorisation to operate a given storage below its minimum operating level. The chief executive may authorise, with or without conditions, the ROL holder to operate that storage below its minimum operating level.

1.3 Minimum levels in waterholes not within the ponded area of a storage

This section applies to waterholes within the extent of the Boyne River and Tarong Water Supply Scheme that are not located within the ponded area of a storage where drawdown of the waterhole may be desired for supply of water allocations.

The water level in any waterhole should where possible be maintained at or near the cease to flow level for that waterhole. Where the outlet discharge capacity of the storage upstream of the waterhole is insufficient to maintain the water level in the waterhole at or near its cease to flow level, the waterhole may be drawn down to 0.5 m below its cease to flow level. These conditions do not apply if the taking of water is in accordance with s.27(2) of the Burnett Basin WRP.

1.4 Critical water supply arrangements

Critical water supply arrangements make provision for the supply of water during periods of critical water shortage (e.g. periods when high priority water cannot be supplied). When the commencement triggers in the critical water supply arrangements are activated, the critical water supply arrangements apply, and relevant sections in the ROP cease to apply for the critical water supply arrangement period. When the cessation triggers in the critical water supply arrangements are activated, the ROP fully applies.

1.4.1 Approved critical water supply arrangements

- (1) A critical water supply situation starts and ends when the ROL holder notifies under Section (9) of these critical water supply arrangements.
- (2) The triggers for commencement of each stage of a critical water supply situation are as follows:
 - (a) Stage 1 commences when the storage level in Boondooma Dam is estimated to be less than or equal to EL 268.7 m AHD (approximately 70 000 ML).
 - (b) Stage 2 commences when the announced allocation for high priority water allocations, calculated in accordance with Attachment 4.4F, s.1.2, is less than 100%.
 - (c) Stage 3 commences when the storage level in Boondooma Dam is estimated to be less than or equal to EL 247.2 m AHD (approximately 3 360 ML) or announced allocation for high priority, as calculated in accordance with Section (7), is 0%.
- (3) The triggers for the cessation of each stage of a critical water supply situation are as follows:
 - (a) Stage 1 ceases when the announced allocation for medium priority water allocations, calculated in accordance with Attachment 4.4F, s.1.2, is greater than 0%, and the storage level in Boondooma Dam is greater than EL 268.7 m AHD (approximately 70 000 ML).
 - (b) Stage 2 ceases when the announced allocation for high priority water allocations, calculated in accordance with Attachment 4.4F, s.1.2, is equal to 100%.
 - (c) Stage 3 ceases when the storage level in Boondooma Dam is estimated to be greater than or equal to EL 249.2 m AHD (approximately 5 000 ML).
- (4) The arrangements that will be applied to Stage 1 are as follows:
 - (a) Announced allocation percentages for high priority and medium priority water allocations will be calculated in accordance with Attachment 4.4F, s.1.2.
 - (b) High priority water allocations will be supplied.
 - (c) Medium priority access will be suspended except for water that can be accessed through bed sands and/or waterholes in accordance with Attachment 4.4F, s.1.1.

- (5) The arrangements that will be applied to Stage 2 are as follows:
- Announced allocations for high priority water allocation holders will be made in accordance with Section (7).
 - High priority water allocations will be supplied.
 - Medium priority access will be suspended except for water that can be accessed through bed sands and/or waterholes in accordance with Attachment 4.4F, s.1.1.
 - Boondooma Dam can be drawn down below the minimum operating level of EL 252 m AHD (approximately 8 360 ML).
- (6) The arrangements that will be applied to Stage 3 are as follows:
- High priority access will be suspended. The taking of water from the remaining water stored in Boondooma Dam, to meet essential water supply requirements, will be considered under the provisions of the *Water Act 2000*.
 - Medium priority access will be suspended except for water that can be accessed through bed sands and/or waterholes in accordance with Attachment 4.4F, s.1.1.
 - Boondooma Dam can be drawn down below the minimum operating level of EL 252 m AHD (approximately 8 360 ML).
- (7) The announced allocation for high priority water allocations in the Boyne River and Tarong Water Supply Scheme is to be calculated for Stage 2 as follows:

$$AA_h = \frac{(UV^{CW2} + HPD)}{HPA} \times 100$$

Where UV^{CW2} is the usable volume during Stage 2 of a critical water supply situation as defined below:

UV^{CW2} is the usable storage volume of Boondooma Dam

$$UV^{CW2} = (CV - COV - SL)$$

$$UV^{CW2} = 0 \text{ if } (CV - COV - SL) \text{ is less than zero}$$

Where:

CV is the current volume in Boondooma Dam

COV is the critical operating volume of Boondooma Dam (with the addition of a vacuum pump) = 3 360 ML

SL is the projected storage loss (calculated using data in Table 1, Attachment 4.4F) from Boondooma Dam for the remainder of the water year. Storage losses include lake evaporation and seepage. The storage loss depths to be used are given in Table 1. The depth for the month in question is used with the relevant storage curve and current storage volume to determine the resulting storage loss.

- (8) Taking water under a water allocation:
- (a) The total volume of water taken under a water allocation in a water year must not be more than the nominal volume for the water allocation.
 - (b) The volume of water taken under a water allocation in a water year, other than from bed sands or waterholes, must not exceed the nominal volume of the water allocation multiplied by the announced allocation and divided by 100.
- (9) Notification arrangements:
- (a) The ROL holder must notify the water allocation holders of the commencement and cessation of Stage 1 of a critical water supply situation.
 - (b) The ROL holder must notify the high priority water allocation holders of the commencement and cessation of Stages 2 and 3 of a critical water supply situation.
 - (c) The ROL holder must notify the department within one business day of becoming aware of the commencement and cessation of each stage of a critical water supply situation.
 - (d) The ROL holder must provide an operational report to the department on commencement of each stage of a critical water supply situation.
- (10) Monitoring requirements when the commencement triggers are active are as follows:
- (a) The ROL holder for the scheme must account for water taken in total.
 - (b) The ROL holder must monitor in accordance with Attachment 4.4G.
 - (c) If the ROL holder becomes aware of impacts on aquatic biota when the water level in Boondooma Dam is below the minimum operating level, the ROL holder will notify the chief executive accordingly.
- (11) A medium priority water allocation holder may only take water from a waterhole if the water level in the waterhole is above the level that is 0.5 m below the level at which the waterhole naturally overflows.
- (12) These critical water supply arrangements commence on the first business day after the amendment to the ROP takes effect.

2 Rules for releases of water from storages

2.1 General rules

When determining releases to make from a storage, the ROL holder must have regard to the following:

- the volume of water to meet the demand;
- the likely contribution of inflows from tributaries that could assist the supply of demand;
- the likely transmission and operational losses;
- the time required for water to travel to the water allocation holder;
- the volume of water required to be released to maintain nominal operating levels in downstream storages and to maintain levels in waterholes;
- the requirements specified in the environmental management rules;

- the physicochemical attributes of the water being released and the possible impact on downstream aquatic ecosystems;
- the change rate in the reduction of releases that may cause downstream bank slumping or fish stranding; and
- the maximum release rate to minimise in-storage bank slumping.

The ROL holder may incorporate provisions in supply contracts for circumstances when release capacity of a storage is insufficient to meet demand.

2.2 Release rules

Water may be released from a storage up to the maximum discharge capacity of the outlet works to meet downstream demand or passing environmental flows as required.

2.3 Rate of release

The ROL holder must minimise the occurrence of adverse environmental impacts (e.g. fish stranding and bank slumping) by ensuring that any change in the rate of release of water from storages occurs incrementally.

2.4 Reserved for future amendments

2.5 Environmental management rules

2.5.1 Low flow objectives

Low flow releases should be within the constraints of existing infrastructure and are required to minimise deviations from values specified in Schedule 5, Part 1 of the WRP for the Boyne River at Derra gauging station.

The performance indicators for low flow EFOs are:

- the percentage of the number of days in the simulation period when flow is less than 2 ML;
- 50% daily exceedence stated for each month;
- 90% daily exceedence stated for each month;
- low flow exceedence duration (10 cm above cease to flow);
- low flow exceedence duration (30 cm above cease to flow); and
- the number of no flow periods for one, three, six and nine months.

2.5.2 Medium to high flow objectives

Medium to high flow EFOs must comply with the values specified in Schedule 5, Part 2 of the WRP at the Boyne River at Derra gauging station.

The performance indicators for the medium to high flow EFOs are:

- the annual proportional flow deviation;
- the mean annual flow;
- the 1.5 year ARI daily flow volume;
- the 5 year ARI daily flow volume;

- the 20 year ARI daily flow volume; and
- the flow regime class.

The rules set out in this attachment comply with the EFOs for these performance indicators specified in the WRP.

2.5.3 Minimum levels for aquatic refuge and recreational purposes

The minimum storage volume in storages for aquatic and recreational purposes is the dead storage level listed in Section 1.2.

2.6 Reserved for future amendments

2.7 Other operational arrangements for environmental, social or cultural purposes

The ROL holder must adopt operational arrangements that comply with legislative requirements and may adopt additional arrangements on a voluntary basis.

3. Quality of water downstream of storages

Where infrastructure incorporates multilevel inlets, the ROL holder must draw water from the inlets that maximise the quality of the water released.

3.1 Use of watercourses for distribution of water

The ROL holder may use the following watercourses for the purposes of distribution of water:

- the Boyne River from the ponded reaches of Boondooma Dam to the confluence with the Burnett River (AMTD 110.5 to AMTD 0);
- the part of the Stuart River directly benefited by the pondage of Boondooma Dam (AMTD 0 to AMTD 19.8).

The ROL holder must not divert water to any watercourse other than those given above for distribution of water without the prior approval of the chief executive.

Attachment**4.4F****Boyne River and Tarong Water Supply Scheme: Water sharing rules**

Water sharing rules must be used to determine:

- announced allocation percentages throughout the year;
- restrictions on the movement of water between water years; and
- seasonal water assignment of water allocations.

There are two types of water allocations proposed to be supplied to water users in the Boyne River and Tarong Water Supply Scheme, namely medium and high priority water allocations. The WRP specifies the performance indicators (WASOs) for the medium and high priority groups.

The water sharing rules specify the way the water resources of the Boyne River and Tarong Water Supply Scheme will be shared between each of the water allocation priority groups.

1 Announced allocation

The announced allocation percentage is the percentage of the water allocation's nominal volume that is announced from time to time by the ROL holder. This percentage sets a limit to the amount of supplemented water which a water allocation holder can divert during the water year as a proportion of the water allocation holder's nominal volume.

The ROL holder is required to calculate announced allocation percentages for each priority group through the use of formulas and associated parameters. Details for each parameter used (including those in brackets in the list of points below) are specified in Section 3.

The amount of water that can be apportioned to each of the priority groups at any given time is determined by taking into account factors such as:

- the time of year an assessment is made;
- the amount of water used by each priority group in the current water year up to the date of the assessment (HPD and MPD);
- the amount of water in the storages;
- allowance for evaporative and seepage losses from the storages;
- allowance for the requirements of high and medium priority water allocations in the current or in future water years; and
- allowance for transmission and operational losses along the river (TE).

The values given for the factors applied in the announced allocation formula should not be taken out of the context of their purpose as part of the overall package used to determine the announced allocation.

1.1 General rules

Announced allocation procedures must be used to determine the announced allocation percentages for medium and high priority water allocations.

The announced allocation percentage is the percentage of the water allocation volume that may be taken during the water year. The water year for the Boyne River and Tarong Water Supply Scheme is from 1 July to 30 June in the following year.

Separate assessment of announced allocation percentages must be made for each water allocation priority group.

The initial announced allocation percentage for a water year must be announced within 10 business days after the start of that water year.

Announced allocation percentages must not be greater than 100%.

Announced allocation percentages must be reviewed during the year within 15 working days of when a major inflow occurs. If the announced allocation percentage would increase by more than five percentage points or be increased to 100%, then the announced allocation percentage must be revised.

The announced allocation percentage must not be reduced during a water year. If the formula gives a value below what was previously announced in the same water year, then the previously announced allocation percentage is to be maintained.

If the announced allocation percentage is less than 100%, the announced allocation percentage should be reviewed at intervals not greater than three months.

The ROL holder may revise an announced allocation as an interim value at any time provided the value is not greater than that which would be calculated using the formulas in Section 1.2.

The ROL holder must announce an interim announced allocation immediately prior to the commencement of a water year. The basis/criteria for the determination of the interim announced allocation for the start of the water year must take into account water user requirements, and be made available to water users.

The ROL holder should advise water users of forecast announced allocations, including the details of the parameters used in determining the forecast values. The criteria for forecasting the announced allocations, including the timing, frequency and level of accuracy must take into account water user requirements, and be made available to water users.

Releases are to be made from Boondooma Dam to meet demands from water allocation holders downstream of Boondooma Dam until Boondooma Dam storage is less than or equal to an EL 268.67 m AHD. No releases are to be made from Boondooma Dam to meet downstream demands below this storage level.

When the ROL holder cannot supply any supplemented water, water allocation holders may take water from waterholes only if the water level in the waterhole is above the level that is 0.5 m below the level at which the waterhole naturally overflows or the chief executive is satisfied the taking of water will not adversely affect the cultural and environmental values of the waterhole. These conditions do not apply if the taking of water is in accordance with s.27(2) of the Burnett Basin WRP.

The *Water Regulation 2002*, made under s.1006(2) of the Water Act, declares water in the aquifer underlying the Boyne River and Tarong Water Supply Scheme, to be water in the respective watercourses. When the ROL holder cannot supply any supplemented water, water allocation holders may take water from the bed sands of the respective watercourses. The volume of water taken in the relevant water year must not exceed the water allocation holder's nominal volume.

Excavation work carried out to enhance the efficiency of access to water in the bed sands will require appropriate authorisation under the provision of the Water Act or the *Integrated Planning Act 1997*.

1.2 Calculation of announced allocation percentages

Medium priority water allocations

The following general formula will be used in the computation of the announced allocation.

The announced allocation level for medium priority allocations will be 100% if

$$CV \geq V_{cut} + MPA + HPA + SL + TOL - MPD - HPD$$

Otherwise, the announced allocation level for medium priority allocations has to be calculated using the following formula:

$$AA_m = \left\{ \frac{(UV_{cut} - HPA_{cut} + MPD - TOL)}{MPA} \right\} \times 100$$

if Boondooma Dam is above EL 268.67 m AHD

and

$$AA_m = 0 \text{ if Boondooma Dam is equal to or below EL 268.67 m AHD}$$

The parameters used in this relationship are defined in Section 3.

The announced allocation percentage for medium priority water allocations will be determined using the following rules:

- The announced allocation percentage for medium priority water allocations is 100% unless it is likely that Boondooma Dam storage elevation will fall below EL 268.67 m AHD during the water year.

- In the above situation, the announced allocation will be less than 100%. The announced allocation percentage will be based on available storage above EL 268.67 m AHD being shared between medium and high priority allocations, provided that the announced allocation for high priority allocation is not less than 100%.
- If the storage elevation is less than 268.67 m AHD, then the announced allocation for medium priority water allocations will be zero.
- If the storage elevation falls below 268.67 m AHD during a water year, then any remaining unused announced allocation will not be available for use.
- The announced allocation percentage determined according to the above rules should be applied equally to all medium priority water allocations. Each medium priority water allocation is receiving an announced allocation volume equal to the percentage multiplied by the water allocation volume.

The ROL holder will maintain and report appropriate records of all announced allocation decisions, including details of calculations and assumptions.

High priority water allocations

Announced allocation percentage for high priority water allocations will be 100% unless the announced allocation percentage for medium priority water allocations is zero, in which case the announced allocation percentage for high priority allocations must be determined from the following relationship.

$$AA_h = \left\{ \frac{(UV + HPD)}{HPA} \right\} \times 100$$

The parameters used in this relationship are defined in Section 3.

The announced allocation percentage determined according to the above rules should be applied equally to all high priority water allocations. Each high priority water allocation is receiving an announced allocation volume equal to the percentage multiplied by the water allocation volume.

2 Restrictions on the taking of water

2.1 Seasonal assignment rules for a water allocation

The ROL holder may give consent to a seasonal water assignment only in relation to a water allocation located in any of the zones listed in Section 1.2 of Attachment 4.4H when the water continues to be supplied from the same zone or between zones within this water supply scheme. From 1 July 2008 the resultant distribution of water supplied in a water year between zones must lie within the ranges shown in Attachment 4.4H, Section 2.1 in Tables 3 and 4.

A water allocation may for the purposes of this section be managed as if it is a water allocation with the purpose of 'any'.

3 Parameters used in calculating announced allocation percentages

AA_m = announced allocation percentage medium priority

That is, the percentage of the nominal volume for a medium priority water allocation that may be taken for the current water year.

AA_h = announced allocation percentage high priority

That is, the percentage of the nominal volume for a high priority water allocation that may be taken for the current water year.

MPA = medium priority water allocations

That is, the volume of medium priority water allocations.

MPD = medium priority diversions

That is, the volume of water taken by medium priority water allocation holders in the current water year up to the time of the resource assessment.

HPA = high priority water allocations

That is, the volume of high priority water allocations.

HPD = high priority diversions

That is, the volume of water taken by high priority water allocation holders in the current water year up to the time of the resource assessment.

UV = useable volume

That is, the useable volume of Boondooma Dam at the time of the announced allocation computation and is determined as per the following equation:

$$UV = CV - DSV - SL$$

$$UV = 0 \text{ if } (CV - DSV - SL) \text{ is less than zero}$$

Where:

CV is the current volume in Boondooma Dam

DSV is the dead storage of Boondooma Dam

SL = storage losses from the current month to the end of water year

That is, the projected storage losses from the Boondooma Dam for the remainder of the water year. Storage losses include lake evaporation and seepage. The storage loss depths for the remainder of the water year to be used for Boondooma Dam are given in Table 1 (Column 2). The storage loss volume is calculated by using the value next to the current month multiplied by the current surface area of the storage.

Table 1: Storage loss depth

Month in which Announced Allocation is Calculated	Boondooma Dam	
	Storage Loss till end of Water Year (mm)	Storage Loss on each month (mm)
Column 1	Column 2	Column 3
July	1 845	86
August	1 759	112
September	1 647	144
October	1503	186
November	1 317	204
December	1 113	220
January	893	217
February	676	179
March	497	179
April	318	135
May	183	102
June	81	81

UV_{cut} = useable volume above EL 268.67 m AHD being shared between medium and high priority allocations

That is, the useable volume of Boondooma Dam above EL 268.67 m AHD being shared between medium and high priority allocations at the time of the announced allocation computation is determined as per the following equation:

$$UV_{cut} = CV - V_{cut} - SL_{cut}$$

V_{cut} = Cut-off volume of Boondooma Dam for medium priority supplies

That is, the volume of Boondooma Dam at cut-off level of 268.67 m AHD below which no releases are to be made from Boondooma Dam to meet downstream medium priority demand.

SL_{cut} = projected storage loss to the sooner of the month when Boondooma Dam is expected to fall below the cut-off volume (V_{cut}) and the end of the current water year.

That is, the projected storage loss from the time of the announced allocation computation to the sooner of the month when Boondooma Dam is expected to fall below EL 268.67m AHD and the end of the current water year. The projected storage loss is to be calculated as the sum of the monthly storage loss volumes which are based on the storage loss depths given in Table 1 (Column 3). Each monthly storage loss volume (ML) is calculated by multiplying the monthly storage loss depth (mm) by the projected surface area of the storage (km^2) for the beginning of that month.

HPA_{cut} = high priority demands from the current month to the month when Boondooma Dam is expected to fall below V_{cut} volume.

That is, HPA_{cut} is high priority demands from the current month, the month of resource assessment, to the month when Boondooma Dam is expected to fall below 268.67 m AHD.

TOL = transmission and operation losses

That is, TOL is an allowance for the river transmission and operational losses expected to occur in running the system to the end of the current water year. TOL varies with the announced allocation for medium priority water allocations.

The transmission and operational loss allowance to be used is given in Table 2. TOL is to be linearly interpolated for intermediate values of medium priority announced allocation in the Boyne River and Tarong Water Supply Scheme.

Table 2: Transmission and operational losses

Month in which Announced Allocation is Calculated	Transmission and Operational Losses			
	At AAm = 0%	At AAm = 25%	At AAm = 75%	At AAm = 100%
July	0	1 109	3 327	4 436
August	0	1 031	3 094	4 126
September	0	954	2 861	3 815
October	0	876	2 629	3 505
November	0	765	2 296	3 061
December	0	665	1 996	2 662
January	0	555	1 664	2 218
February	0	433	1 298	1 730
March	0	333	998	1 331
April	0	222	665	887
May	0	144	433	577
June	0	67	200	266

Attachment**4.4G****Boyne River and Tarong Water Supply Scheme: Monitoring program****1 Water quantity****1.1 Stream flow (storage inflow and tailwater flow) and storage water level**

- (1) The ROL holder must record water level and volume and flow data in accordance with Table 1.
- (2) The ROL holder must record continuous time series height and flow data for tailwater flows as indicated in Table 1.

Table 1: Locations where data is required

Location	Gauging Station Site Identification	AMTD km	Water level and volume data	Daily flow data
Boondooma Dam headwater	GS 136316A	86.7	✓	
Boondooma Dam tailwater ¹⁰	GS 136317A	86.4		✓

1.2 Releases from storages

- (1) The ROL holder must record on a daily basis for each storage outlet:
- the volume released;
 - the release rate, and for each change in release rate:
 - the date and time of the change; and
 - the new release rate.
 - the ROL holder must record for each storage outlet the reason for each release and the component volumes¹¹ for each release;
 - the water level in the storage from which the release was made.

1.3 Announced allocations

The ROL holder must record details of announced allocation determinations referred

¹⁰ This gauging station only measures release water. Total tailwater discharge will need to be calculated from headwater discharge data and any releases.

¹¹ Component volumes comprise of the following;

- passing flows under the low flow management strategy, where applicable;
- passing flows under the medium to high flow management strategy, where applicable;
- volume released for water supply in the storage's local supply area;
- an estimate of the volume released to meet transmission and operating losses in the storage's local supply area;
- volume released to maintain the water level in the next downstream storage;
- volume released through fishways;
- total volume released from the storage; and
- for storages with a multilevel outlet, the water level from which the release was made.

to in Section 1 of Attachment 4.4F, including:

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

1.4 Reserved for future amendments

1.5 Water taken by water users

The ROL holder must record the volume of water taken by each water user per zone as follows:

- (a) the total volume of water taken each quarter;
- (b) the total volume of water entitled to be taken at any time;
- (c) the basis for determining the total volume of water entitled to be taken at any time; and
- (d) the basis for determining the total volume of water entitled to be taken, including adjustments for volumes moved into or out of the water year and seasonal water assignments.

1.6 Seasonal water assignments

The ROL holder must record the details of seasonal water assignment arrangements including:

- (a) the name, volume and location of water seasonally assigned by individuals; and
- (b) the name, volume and location of individuals that received a seasonal assignment.

2 Impact of storage operation on aquatic ecosystems

The ROL holder must undertake the following to establish any impacts on aquatic ecosystems potentially related to the operation of storages.

2.1 Water quality

The ROL holder must monitor water quality in relation to relevant infrastructure in accordance with the Department's Water Monitoring Data Collection Standard.

2.2 Bank condition

(1) The ROL holder must inspect banks for evidence of collapse and/or erosion within the ponded area and downstream of Boondooma Dam following instances of rapid water level changes or large flows through Boondooma Dam, or other occasions when collapse and/or erosion of banks may be likely.

(2) The distance downstream is the distance of influence of storage operations.

2.3 Fish stranding

The ROL holder must record and assess reported instances of fish stranding in watercourses and ponded areas associated with the operation of infrastructure of the

ROL holder as listed in Attachment 4.4D to determine if any instance is associated with the operation of that infrastructure.

3 Reporting

Reporting requirements

There are four levels of reporting for ROL holders:

- (1) Quarterly reports;
- (2) Annual reports for the previous water year;
- (3) Operational reports; and
- (4) Emergency reports.

Unless otherwise specified in the ROP, reporting must be consistent with the Department's Water Monitoring Data Reporting Standard.

3.1 Quarterly reporting

The ROL holder must submit a quarterly report to the chief executive after the end of each quarter, of every water year. The report should contain the following data or information:

- (a) verified stream flow and storage water level – all records referred to in Section 1.1;
- (b) releases from storages – the daily volumes released referred to in Section 1.2;
- (c) water quality – all records referred to in Section 2.1; and
- (d) a summary of bank condition monitoring and incidences of slumping carried out in accordance with Section 2.2.

3.2 Annual report

The ROL holder must submit an annual report to the chief executive after the end of each water year.

Water quantity reporting

- (1) The annual report must include a summary of:
 1. announced allocation determinations including:
 - (i) an evaluation of the announced allocation procedures and outcomes; and
 - (ii) the date and value for each announced allocation;
 2. instances where critical water supply sharing rules have been implemented, including:
 - (i) an evaluation of the effectiveness of the rules and outcomes; and
 - (ii) the commencement date(s) and time period(s) for which the rules were in effect;
 3. the total annual volume of water taken by all water users, specified by zone, namely:
 - (i) the total volume of supplemented water taken;
 - (ii) the total volume of supplemented water entitled to be taken; and
 - (iii) the basis for determining the volume entitled to be taken;
 4. seasonal water assignments, specified by scheme, namely:
 - (i) the total number of seasonal water assignment arrangements; and

- (ii) the total volume of water seasonally assigned.
- (2) The annual report must include:
 - (a) all details of changes to the storage and delivery infrastructure, or the operation of storages and delivery infrastructure that may impact on compliance with rules in this plan; and
 - (b) details of any new monitoring devices used such as equipment to measure stream flow.
 - (3) The annual report must include a discussion on any other issues that arose as a result of the implementation and application of the rules and requirements in this plan.
 - (4) The annual report must include water taken by each water user as follows:
 - (a) the total volume of water taken for each zone;
 - (b) the total volume entitled to be taken for each zone; and
 - (c) the basis for determining the total volume of water entitled to be taken.

Impact of storage operation on water quality

- (1) The annual report must include:
 - (a) a summary of environmental considerations made by the ROL holder in making operational and release decisions; and
 - (b) a summary of the environmental outcomes of the decision including any adverse environmental impacts.
- (2) The annual report must include a summary of bank condition and fish stranding monitoring and assessment including:
 - (a) results of investigations of bank slumping or erosion identified in ponded areas and/or downstream of storages;
 - (b) results of any investigations of fish stranding downstream of storages; and
 - (c) changes to operation of storages to reduce instances of bank slumping, erosion or fish stranding.
- (3) The annual report must include a discussion and assessment of the following water quality issues:
 - (a) water quality in each storage;
 - (b) thermal and chemical stratification in each storage ;
 - (c) contribution of the storage and its management to the quality of water released;
 - (d) cumulative effect of successive storages on water quality;
 - (e) Cyanobacterial population changes in response to stratification in each storage; and
 - (f) any changes to the monitoring program as a result of evaluation of the data.

3.3 Operational report

- (1) The ROL holder must notify the chief executive within one business day:
 - (a) upon becoming aware of any of the following operational incidents:
 - (i) a non-compliance by the ROL holder with the rules;

- (ii) given in this plan likely to affect the outcomes of the plan;
 - (iii) instances when a waterhole is drawn down 0.5m below cease to flow level;
and
 - (iv) instances of fish stranding, blue-green algae growth or bank slumping within the ponded areas or downstream of storages associated with the operation of the Boyne River and Tarong Water Supply Scheme;
- (b) upon making a decision relating to:
- (i) an initial announced allocation and/or its revision;
 - (ii) any restrictions on the taking of medium priority water;
- (c) upon activation of critical water supply arrangements;
- (d) details of any arrangements for addressing circumstances where they are unable to supply water allocations.
- (2) The ROL holder must provide the chief executive with:
- (a) a report on the occurrence of any of the operational incidents discussed in Subsection (1)(a). The report must include details of the incident, conditions under which the incident occurred and any responses or activities carried out as a result of the incident;
 - (b) a summary of any other non-compliances by the ROL holder with the rules given in this plan
 - (c) relevant supporting information used in making a decision relating to —
 - (i) an initial announced allocation and/or its revision; and
 - (ii) any restrictions on the taking of medium priority water;
 - (d) details of any seasonal water assignments approved by the ROL holder.
- (3) The ROL holder must provide within ten business days the chief executive with a report of supplemented water being taken through a NRW water meter. The ROL holder must report the meter readings at the start and finish of the taking of water and the approved quantities of supplemented water taken.

3.4 Emergency report¹²

In an emergency where the licence holder cannot comply with the conditions of the ROP as a result of the emergency, the ROL holder must:

- (a) notify the chief executive; and
- (b) provide a report to the chief executive including:
 - (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 licence holder is either permanently or temporarily unable to comply with due to the emergency.

¹² This does not preclude requirements for dam safety under the *Water Act 2000* and any other applicable legislation

Attachment**4.4H****Boyne River and Tarong Water Supply Scheme: Water allocation change rules****1 Seasonal assignment**

A water allocation holder may apply for a seasonal assignment/change to the location of the water allocation where:

The seasonal assignment is of a volume of water associated with a water allocation that has a purpose of 'agriculture' or 'any' and where:

- the proposed change would not result in a total nominal volume for a zone that:
 - exceeds the maximum nominal volume for the zone for a priority group as specified in Table 1 or 2; or
 - is less than the minimum nominal volume for the zone for a priority group as specified in Table 1 or 2; and
 - the seasonal assignment is from zone LA to zone KA or from zone KA to zone LA.

Table 1: Permitted use of high priority water allocations in the Boyne River and Tarong Water Supply Scheme by zone

Zones	LA	KA
Minimum nominal volume of high priority water allocation (ML)	0	32 390
Maximum nominal volume of high priority water allocation (ML)	0	37 714

Table 2: Permitted use of medium priority water allocations in the Boyne River and Tarong Water Supply Scheme by zone

Zones	LA	KA
Minimum nominal volume of medium priority water allocation (ML)	0	0
Maximum nominal volume of medium priority water allocation (ML)	13 309.3	13 309.3

2 Permitted changes

Applications for the following changes to a water allocation must be approved in accordance with section 129(4) of the Water Act.

2.1 Location

A water allocation holder may apply to change the location of a water allocation with a purpose of 'agriculture' or 'any', where the proposed change is:

- from zone LA to zone KA or from zone KA to zone LA; and
- would not result in a total nominal volume for a zone that:
 - exceeds the maximum nominal volume for the zone for a priority group as specified in Table 3 or 4; or
 - is less than the minimum nominal volume for the zone for a priority group as specified in Table 3 or 4.

Table 3: Permitted distributions of high priority water allocations in the Boyne River and Tarong Water Supply Scheme by zone

Zones	LA	KA
Minimum nominal volume of high priority water allocation (ML)	0	32 390
Maximum nominal volume of high priority water allocation (ML)	0	37 714

Table 4: Permitted distributions of medium priority water allocations in the Boyne River and Tarong Water Supply Scheme by zone

Zones	LA	KA
Minimum nominal volume of medium priority water allocation (ML)	0	0
Maximum nominal volume of medium priority water allocation (ML)	13 309.3	13 309.3

2.2 Purpose

A water allocation holder may apply to change the purpose of a water allocation from:

- 'any' to 'agriculture' or
- 'agriculture' to 'any'.

2.3 Subdivision and amalgamation

A water allocation holder may apply to:

- subdivide a water allocation into two or more water allocations; or
- amalgamate two or more water allocations into a single water allocation.

2.4 Priority group

A water allocation holder may apply to change the priority group on a water allocation from 'medium' to 'high' where:

- the conversion is of the entire volume of medium priority water specified on the water allocation; and
- there has been no take of water under the water allocation to be converted, for the relevant water year in which the application to change has been made; and
- the location to be specified on the water allocation converted to high priority is zone KA; and
- a conversion ratio of 2.5:1 is used to convert the volume of water from medium to high priority (i.e. 2.5 ML of medium priority water is required to establish 1 ML of high priority water); and
- the conversion occurs when the announced allocation for medium priority water is no less than 100%.

3 Prohibited changes

The following changes are prohibited changes.

3.1 Location

A change to a location that is not permitted.

3.2 Priority group

A change to a priority group that is not a change from 'medium' to 'high'.

3.3 Purpose

A change to any purpose that is not a change to 'agriculture' or 'any'.

3.4 Nominal volume

A change to the nominal volume of a water allocation other than a change that is required as a result of a change to another attribute of a water allocation.

3.5 Other

A change to a water allocation that requires an amendment to this ROP, other than an amendment provided for in Chapter 8.

4 Application for change under s.130 of the Water Act

If a water allocation holder wishes to apply for a change to a water allocation that is not permitted under Section 1 above and is not prohibited under Section 2 above, then an application may be made under s130 of the Water Act for the change.

Under section 131, the chief executive may ask for additional information to be supplied that would assist in determining whether the change should be approved or not. For example, if an application was made to change the purpose of a water allocation from 'distribution loss' to 'any', this might involve the provision of information from the applicant to substantiate to the satisfaction of the chief executive an efficiency gain within the distribution system.

The chief executive will deal with any and all applications made under s130 of the Water Act, in accordance with the Act. That process is summarised as follows:

- Notice of the application is published in local newspapers. The notice includes information about where the application can be inspected and invites submissions from the public on the application.
- The chief executive determines if the application should be approved having regard to the potential impact on other interests including entitlement holders and natural ecosystems.

The chief executive may approve the application with or without conditions. If an application is approved, then the chief executive will issue a change certificate that may be lodged with the registrar of water allocations. The chief executive will provide an information notice on his decision to the applicant and any parties that made a submission on the notice of application. Parties are able to appeal decisions made under internal review.

Attachment

5.1A

**Lower Burnett and Kolan Rivers Water
Management Area: Reserved for
future amendments**

Attachment

5.1B

**Lower Burnett and Kolan Rivers
Water Management Area: Reserved for
future amendments**

Attachment**5.1C****Lower Burnett and Kolan Rivers
Water Management Area: Operating
rules for water allocations taken by
water harvesting****1 Overview**

These operating rules apply to water allocations taken by water harvesting with flow conditions in the Lower Burnett and Kolan Rivers Water Management Area:

- the Burnett River from the confluence of St Agnes Creek (AMTD 97.9) downstream to Ben Anderson Barrage (AMTD 25.9), including locations directly benefited by flow or pondage from these river reaches; and
- the Kolan River from the impoundment area of Fred Haigh Dam (AMTD 116) downstream to the Kolan River Barrage (AMTD 14.7), including locations directly benefited by flow or pondage from these river reaches.

These locations are defined in Table 1 of Attachment 2.2 and displayed on the accompanying map sheets.

2 Water year

The water year is from 1 July to 30 June the following year.

3 Location from which water may be taken

The location from which water may be taken is described as a zone on each water allocation. Zone locations are described in Attachment 2.2.

4 Purpose for which water may be taken

The purpose for which water may be taken is stated on each water allocation. All unsupplemented water allocations may be used for 'any' purpose.

5 Maximum annual volume of water that may be taken

The maximum volume of water that may be taken in a water year will be calculated using the formula:

$$AAL_i * \text{Volumetric Limit}$$

The AAL_i is defined in Section 5.1.

5.1 Annual announced limit

The annual announced limit (AAL_i) is the percentage that is announced by the chief executive for each subcatchment on a water year basis. The AAL_i must not be greater than 100%. This percentage sets the annual limit to the amount of

unsupplemented water, which an individual water allocation holder can divert during water year 'i' as a proportion of the volumetric limit.

5.2 Calculation of the annual announced limit

The annual announced limit for unsupplemented water allocations for each subcatchment must be determined by the following formulae:

$$TAAL_i = 50 + AAL_{i-1} - (TU_{i-1}/SVL * 100) + RAAL_{i-1}$$

$$RAAL_{i-1} = \text{greater } \{ TAAL_{i-1} - 100, 0 \}$$

$$AAL_i = \text{lesser } \{ 100, TAAL_i \}$$

Where:

i = current water year

i - 1 = previous water year

The parameters used in the above relationships are defined in Section 5.3.

5.3 Parameters used in calculating announced allocation

AAL = annual announced limit

That is, the percentage of the water allocation volumetric limit that may be taken for the water year.

TAAL = trial annual announced limit

That is, the trial annual announced limit is a percentage of the water allocation volumetric limit and determines the annual announced limit for a water year and the residual announced allocation limit for the next year.

TU = total use

That is, the total diverted unsupplemented water allocations (ML) in the subcatchment for the water year.

SVL = sum volumetric limit

That is, the sum of the volumetric limits (ML) for the subcatchment.

RAAL = residual annual announced limit

That is, the residual is the amount by which the trial annual announced limit was greater than 100% in the previous year. This may be available in the following water year.

5.4 Rules for determining the annual announced limit

The rules for determining the annual announced limit are:

- the annual announced limit cannot be greater than 100%;
- RAAL is limited between 0% and 50%;
- AAL percentages must be determined and announced within ten business days after the start of the water year; and
- the AAL is calculated using the formula listed in Section 5.2.

6 Maximum rate for taking water

The maximum rate of take stated on a water allocation is the maximum instantaneous rate (in L/s) at which water may be taken.

7 Flow conditions under which water may be taken

The passing flow conditions associated with the water allocation group stated on a water allocation are the stream flow conditions nominally required while water is being taken under the water allocation.

The chief executive will determine when the passing flow conditions exist and when water may be taken under arrangements given in Section 8 and Section 9. A period of time during which water may be taken is referred to as an announced period for water harvesting.

8 Announced periods for taking water

The chief executive will notify water allocation holders of the start and end of an announced period during which water may be taken.

9 Determining announced periods for taking water

The chief executive will determine the start and the end of a period during which the stream flow is estimated to exceed the flow threshold conditions for each water allocation group.

10 Assessment of quantity of unsupplemented water taken

The following rules apply for the assessment of the quantity of unsupplemented water taken under a water allocation:

- a water allocation holder must advise the chief executive prior to taking unsupplemented water;
- for water taken during an announced period, a water allocation holder must provide meter readings to the chief executive at the start and finish of the announced period and at the end of the water year if required by the chief executive;
- unsupplemented water may be taken only during announced periods;
- the chief executive will advise the ROL holder for the Bundaberg Water Supply Scheme of the meter readings and the approved quantities of

unsupplemented water taken within ten business days of the conclusion of all announced periods for the Lower Burnett and Kolan Rivers Water Management Area; and

- any water taken that is not in accordance with these rules for unsupplemented water and taken from within the limits of the Bundaberg Water Supply Scheme will be treated as supplemented water.

11 Seasonal water assignment rules

A water allocation holder or the holder of a seasonal water assignment notice may apply under s.142 of the Water Act for a seasonal water assignment for the water year in which the application is made. Seasonal water assignment of a water allocation in the Lower Burnett and Kolan Rivers Water Management Area is permitted subject to the following rules.

The chief executive will approve all applications to seasonally assign water provided that the application conforms to the following rules.

Seasonal water assignments may be made to all or part of the unused portion of water that may be taken under a water allocation or seasonal water assignment notice.

A water allocation holder may apply for a seasonal assignment of water within any zone or between:

- zone AA, AB or AC and zone AA, AB or AC; or
- zone CA and zone CB.

The permitted use of unsupplemented water allocations in a water year is provided for in Table 1.

Table 1: Seasonal water assignment use limits

Zones	AA	AB	AC	CA	CB
Minimum nominal volume (ML)	223	0	466	1 082	382
Maximum nominal volume (ML)	335	170	788	1 828	646

The flow condition for a seasonal water assignment of water will be the same as the flow condition of the water allocation or seasonal water assignment notice that is being seasonally assigned. The maximum rate of take under a seasonal water assignment notice will be determined during the processing of the application so that the WASOs and EFOs of the WRP are met. Seasonal water assignment of a water allocation or seasonal water assignment notice must not lead to the water allocation being managed under a ROL.

The holder of the seasonal water assignment notice must also be a holder of a development permit for works that may take the seasonally assigned water.

12 Procedures

Details of procedures associated with the implementation of these operating rules will

be developed and made available by the chief executive.

Attachment**5.1D****Lower Burnett and Kolan Rivers
Water Management Area: Water
allocation change rules****1 Permitted changes**

Application for the following changes to a water allocation will be approved. On approval, a change certificate will be issued by the chief executive, which may be lodged with the registrar of water allocations.

1.1 Location

A change to the location of a water allocation:

- within any zone; or
 - between zone AA, AB or AC and zone AA, AB or AC; or
 - between zone CA and zone CB.

The proposed change is not a permitted change if the proposed change would result in a distribution of water allocations not provided for in Table 1.

Table 1: Change limits: maximum and minimum nominal volumes by zone

Zones	AA	AB	AC	CA	CB
Minimum nominal volume (ML)	223	0	466	1 082	382
Maximum nominal volume (ML)	335	170	788	1 828	646

1.2 Purpose

A change to the purpose of the water allocation from 'agriculture' to 'any' or from 'any' to 'agriculture'.

1.3 Amalgamation or subdivision

A change to subdivide a water allocation into two or more water allocations, or to amalgamate two or more water allocations into one water allocation.

If a water allocation is subdivided, the maximum rate for taking water of each new water allocation will be proportional to the volume of the new water allocation.

Water allocations with the same location and flow condition specifications can be amalgamated into a new water allocation. The volume of the new water allocation will be set at the combined volume of the original water allocations and the new rate will be determined during the application process so that the WASOs and EFOs of the WRP are met.

2 Prohibited changes

The following changes are prohibited changes.

2.1 Location

A change of location from:

- zone AA, AB or AC to a location which is not zone AA, AB or AC; or
- zone CA or CB to a location which is not zone CA or CB.

2.2 Purpose

A change to a purpose that is not 'agriculture' or 'any'.

2.3 Water allocation group

A change that would alter the water allocation group that applies to a water allocation.

2.4 Rate

A change to the maximum rate of a water allocation that is not a consequence of a change to another attribute of a water allocation.

2.5 Supply of water

A change to a water allocation must not be a change that would lead to the water allocation being managed under a ROL.

2.6 Other

A change to a water allocation that requires an amendment to this ROP, other than an amendment provided for in Chapter 8.

3 Application for change under s.130 of the Water Act

If a water allocation holder wishes to apply for a change to a water allocation that is not permitted under Section 1 above, and not prohibited under Section 2 above, then application may be made under s.130 of the Water Act for the change.

The chief executive will deal with any and all applications made under s.130 of the Water Act, in accordance with the Act. That process is as follows. Notice of the application is published in local newspapers. The notice includes information about where the application can be inspected and invites submissions from the public on the application. The chief executive determines if the application should be approved having regard to the potential impact on a range of interests including other allocation holders and natural ecosystems. If the chief executive approves the application, then the chief executive issues a change certificate that may be lodged with the registrar of water allocations. If the chief executive refuses the application, then the applicant can appeal to the Land Court.

3.1 Registration of change

If an application to change a water allocation is approved, the chief executive will issue a change certificate. The water allocation holder may lodge the change certificate with the registrar of water allocations who will change the water allocation on the water allocation register.

Attachment

52A

**Upper Burnett and Nogo Rivers Water
Management Area: Reserved for
future amendments**

Attachment

5.2B

Upper Burnett and Nogo Rivers Water Management Area: Reserved for future amendments

Attachment**5.2C****Upper Burnett and Nogo Rivers
Water Management Area: Operating rules
for water allocations taken by water
harvesting****1 Overview**

These operating rules apply to water allocations taken by water harvesting with flow conditions in the Upper Burnett and Nogo Rivers Water Management Area:

- the Burnett River from the impoundment area of John Goleby Weir at full supply level (AMTD 333.9) downstream to the confluence of St Agnes Creek (AMTD 97.9), including locations directly benefited by flow or pondage from these river reaches; and
- the Nogo River from the impoundment area of Wuruma Dam at full supply level (AMTD 44.5) to the confluence of the Burnett River (AMTD 311.8), including locations directly benefited by flow or pondage from these river reaches.

These locations are defined in Table 1 of Attachment 2.2 and displayed on the accompanying map sheets.

2 Water year

The water year is from 1 July to 30 June the following year.

3 Location from which water may be taken

The location from which water may be taken is described as a zone on each water allocation. Zone locations are described in Attachment 2.2.

4 Purpose for which water may be taken

The purpose for which water may be taken is stated on each water allocation. All unsupplemented water allocations may be used for 'any' purpose.

In order to comply with WRP objectives, the AAL for zones OD and PA must be 100%.

5 Maximum annual volume of water that may be taken

The maximum volume of water that may be taken in a water year will be calculated using the formula:

$$AAL_i * \text{Volumetric Limit}$$

The AAL_i is defined in Section 5.1.

5.1 Annual announced limit

The annual announced limit (AAL_i) is the percentage that is announced by the chief executive for each subcatchment on a water year basis. The AAL_i must not be greater than 100%. This percentage sets the annual limit to the amount of unsupplemented water, which an individual water allocation holder can divert during water year 'i' as a proportion of the volumetric limit.

5.2 Calculation of the annual announced limit

The annual announced limit for unsupplemented water allocations for each subcatchment must be determined by the following formulae.

$$TAAL_i = 50 + AAL_{i-1} - (TU_{i-1}/SVL * 100) + RAAL_{i-1}$$

$$RAAL_{i-1} = \text{greater } \{ TAAL_{i-1} - 100, 0 \}$$

$$AAL_i = \text{lesser } \{ 100, TAAL_i \}$$

Where:

i = current water year

i - 1 = previous water year

The parameters used in the above relationships are defined in Section 5.3.

5.3 Parameters used in calculating announced allocation

AAL = annual announced limit

That is, the percentage of the water allocation volumetric limit that may be taken for the water year.

TAAL = trial annual announced limit

That is, the trial annual announced limit is a percentage of the water allocation volumetric limit and determines the annual announced limit for a water year and the residual announced allocation limit for the next year.

TU = total use

That is, the total diverted unsupplemented water allocations (ML) in the subcatchment for the water year.

SVL = sum volumetric limit

That is, the sum of the volumetric limits (ML) for the subcatchment.

RAAL = residual annual announced limit

That is, the residual is the amount by which the trial annual announced limit was greater than 100% in the previous year. This may be available in the following water year.

5.4 Rules for determining the annual announced limit

The rules for determining the annual announced limit are:

- the annual announced limit cannot be greater than 100%;
- RAAL is limited between 0% and 50%;
- AAL percentages must be determined and announced within ten business days after the start of the water year; and
- the AAL is calculated using the formula listed in Section 5.2 except for zones OD and PA where AAL will be 100%.

6 Maximum rate for taking water

The maximum rate of take stated on a water allocation is the maximum instantaneous rate (in L/s) at which water may be taken.

7 Flow conditions under which water may be taken

The passing flow conditions associated with the water allocation group stated on a water allocation are the stream flow conditions nominally required while water is being taken under the water allocation.

The chief executive will determine when the passing flow conditions exist and when water may be taken under arrangements given in Section 8 and Section 9. A period of time during which water may be taken is referred to as an announced period for water harvesting.

8 Announced periods for taking water

The chief executive will notify water allocation holders of the start and the end of an announced period during which water may be taken.

9 Determining announced periods for taking water

The chief executive will determine the start and the end of a period during which the stream flow is estimated to exceed the flow threshold conditions for each water allocation group.

10 Assessment of quantity of unsupplemented water taken

The following rules apply for the assessment of the quantity of unsupplemented water taken under a water allocation:

- a water allocation holder must advise the chief executive prior to taking unsupplemented water;
- for water taken during an announced period, a water allocation holder must provide meter readings to the chief executive at the start and finish of the

announced period and at the end of the water year if required by the chief executive;

- unsupplemented water may be taken only during announced periods;
- the chief executive will advise the ROL holder for the Upper Burnett Water Supply Scheme of the meter readings and the approved quantities of unsupplemented water taken within ten business days of the conclusion of all announced periods for the Upper Burnett and Nogo Rivers Water Management Area; and
- any water taken that is not in accordance with these rules for unsupplemented water and taken from within the limits of the Upper Burnett Water Supply Scheme will be treated as supplemented water.

11 Seasonal water assignment rules

A water allocation holder or the holder of a seasonal water assignment notice may apply under s.142 of the *Water Act 2000* for a seasonal water assignment for the water year in which the application is made. Seasonal water assignment of a water allocation in the Upper Burnett and Nogo Rivers Water Management Area is permitted subject to the following rules.

The chief executive will approve all applications to seasonally assign water provided that the application conforms to the following rules:

- seasonal water assignments may be made to all or part of the unused portion of water that may be taken under a water allocation or seasonal water assignment notice; and
- a water allocation holder may apply for a seasonal assignment of water within any zone or between:
 - zone GA and GB;
 - zone NA, NB or NC and zone NA, NB or NC; or
 - zone OA, OB, OC, OD or MA and zone OA, OB, OC, OD or MA.

The permitted use of unsupplemented water allocations in a water year is provided for in Table 1.

Table 1: Seasonal water assignment use limits

Location (Zone)	GA	GB	MA	NA	NB	NC	OA	OB	OC
Minimum Nominal Volume (ML)	483	407	119	422	840	776	912	584	21
Maximum Nominal Volume (ML)	806	679	199	703	1400	1293	1519	973	35

The flow condition for a seasonal assignment water allocation will be the same as the flow condition of the water allocation or seasonal water assignment notice that is being seasonally assigned. The maximum rate of take under a seasonal water assignment permit will be determined during the processing of the application so that the WASOs and EFOs of the WRP are met. Seasonal water assignment of a water allocation or seasonal water assignment notice must not lead to the water allocation being managed under a ROL.

The holder of the seasonal water assignment notice must also be a holder of a development permit for works that may take the seasonally assigned water.

12 Procedures

Details of procedures associated with the implementation of these operating rules will be developed and made available by the chief executive.

Attachment**5.2D****Upper Burnett and Nogo Rivers
Water Management Area: Water
allocation change rules****1 Permitted changes**

Application for the following changes to a water allocation will be approved. On approval, a change certificate will be issued by the chief executive, which may be lodged with the registrar of water allocations.

1.1 Location

A change to the location of a water allocation:

- within any zone; or
- between:
 - zone GA and GB;
 - zone NA, NB or NC and NA, NB or NC; or
 - zone OA, OB, OC or MA and OA, OB, OC or MA.

A change of location will be allowed from zone MA in Subcatchment 'M' to zones OA, OB, OC in Subcatchment 'O'.

The proposed change is not a permitted change if the proposed change would result in a distribution of water allocations not provided for in Table 1.

Table 1: Change limits: maximum and minimum nominal volumes by zone

Location (Zone)	GA	GB	MA	NA	NB	NC	OA	OB	OC
Minimum Nominal Volume (ML)	483	407	119	422	840	776	912	584	21
Maximum Nominal Volume (ML)	806	679	199	703	1 400	1 293	1 519	973	35

1.2 Purpose

A change to the purpose of the water allocation from 'agriculture' to 'any' or from 'any' to 'agriculture'.

1.3 Amalgamation or subdivision

A change to subdivide a water allocation into two or more water allocations, or to amalgamate two or more water allocations into one water allocation.

If a water allocation is subdivided, the maximum rate for taking water of each new water allocation will be proportional to the volume of the new water allocation.

Water allocations with the same location and flow condition specifications can be amalgamated into a new water allocation. The volume of the new water allocation will be set at the combined volume of the original water allocations and the new rate will be determined during the application process so that the WASOs and EFOs of the

WRP are met.

2 Prohibited changes

The following changes are prohibited changes.

2.1 Location

A change of location from:

- zone GA or GB to a location which is not zone GA or GB;
- zone NA, NB or NC to a location which is not zone NA, NB or NC; and
- zone OA, OB, OC or MA to a location which is not zone OA, OB, OC or MA.

2.2 Purpose

A change to a purpose that is not 'agriculture' or 'any'.

2.3 Water allocation group

A change that would alter the water allocation group that applies to a water allocation.

2.4 Rate

A change to the maximum rate of a water allocation that is not a consequence of a change to another attribute of a water allocation.

2.5 Other

A change to a water allocation that requires an amendment to this ROP, other than an amendment provided for in Chapter 8.

3 Application for change under s.130 of the Water Act

If a water allocation holder wishes to apply for a change to a water allocation that is not permitted under Section 1 above, and not prohibited under Section 2 above, then application may be made under s.130 of the Water Act for the change.

The chief executive will deal with any and all applications made under s.130 of the Water Act, in accordance with the Act. That process is as follows. Notice of the application is published in local newspapers. The notice includes information about where the application can be inspected and invites submissions from the public on the application. The chief executive determines if the application should be approved having regard to the potential impact on a range of interests including other entitlement holders and natural ecosystems. If the chief executive approves the application, then the chief executive issues a change certificate that may be lodged with the registrar of water allocations. If the chief executive refuses the application, then the applicant can appeal to the Land Court.

3.1 Registration of change

If an application to change a water allocation is approved, the chief executive will issue a change certificate. The water allocation holder may lodge the change certificate with the registrar of water allocations who will change the water allocation on the water allocation register.

Attachment

5.3A

**Barker Barambah Creeks Water
Management Area: Reserved for
future amendments**

Attachment

5.3B

**Barker Barambah Creeks Water
Management Area: Reserved for
future amendments**

Attachment**5.3C****Barker Barambah Creeks Water Management Area: Operating rules for water allocations taken by water harvesting****1 Overview**

These operating rules apply to water allocations taken by water harvesting with flow conditions in the Barker Barambah Creeks Water Management Area:

- Barker Creek from AMTD 38.2 downstream to the confluence with Barambah Creek, including locations directly benefited by flow or pondage from these stream reaches; and
- Barambah Creek from AMTD 189.5 downstream to AMTD 85 including locations directly benefited by flow or pondage from these stream reaches.

These locations are defined in Table 1 of Attachment 2.2, and displayed on the accompanying map sheets.

2 Water year

The water year is from 1 July to 30 June the following year.

3 Location from which water may be taken

The location from which water may be taken is described as a zone on each water allocation. Zone locations are described in Attachment 2.2.

4 Purpose for which water may be taken

The purpose for which water may be taken is stated on each water allocation. All unsupplemented water allocations may be used for 'any' purpose.

5 Maximum annual volume of water that may be taken

The maximum volume of water that may be taken in a water year is the volumetric limit stated on each water allocation.

6 Maximum rate for taking water

The maximum rate of take stated on a water allocation is the maximum instantaneous rate (in L/s) at which water may be taken.

7 Flow conditions under which water may be taken

The passing flow conditions associated with the water allocation group stated on a water allocation are the stream flow conditions nominally required while water is being taken under the water allocation.

The chief executive will determine when the passing flow conditions exist and when water may be taken under arrangements given in Section 8 and Section 9. A period of time during which water may be taken is referred to as an announced period for water harvesting.

8 Announced periods for taking water

The chief executive will notify water allocation holders of the start and end of an announced period during which water may be taken.

9 Determining announced periods for taking water

The chief executive will determine the start and the end of a period during which the stream flow is estimated to exceed the flow threshold conditions for each water allocation group and when unsupplemented water is available in each zone.

10 Assessment of quantity of unsupplemented water taken

The following rules apply for the assessment of the quantity of unsupplemented water taken under a water allocation:

- a water allocation holder must advise the chief executive prior to taking unsupplemented water;
- for water taken during an announced period, a water allocation holder must provide meter readings to the chief executive at the start and finish of the announced period and at the end of the water year if required by the chief executive;
- unsupplemented water may be taken only during announced periods;
- the chief executive will advise the ROL holder for the Barker Barambah Water Supply Scheme of the meter readings and the approved quantities of unsupplemented water taken within ten business days of the conclusion of all announced periods for the Barker Barambah Creeks Water Management Area; and
- any water taken that is not in accordance with these rules for unsupplemented water and taken from within the limits of the Barker Barambah Water Supply Scheme will be treated as supplemented water.

11 Seasonal water assignment rules

A water allocation holder or the holder of a seasonal water assignment notice may apply under s.142 of the *Water Act 2000* for a seasonal water assignment for the water year in which the application is made. Seasonal water assignment of a water allocation in the Barker Barambah Creeks Water Management Area is permitted subject to the following rules.

The chief executive will approve all applications to seasonally assign water provided that the application conforms to the following rules.

Seasonal water assignments may be made to all or part of the unused portion of water that may be taken under a water allocation or seasonal water assignment notice.

A water allocation holder may apply for a seasonal assignment of water within any zone or from:

- HJ to HK;
- HK to HJ or to HL; or
- HL to HK.

Prohibited changes specified in Attachment 5.3D apply to seasonal water assignments.

The permitted use of unsupplemented water allocations in a water year is provided for in Table 1.

Table 1: Seasonal water assignment use limits

Zones	HJ	HK	HL	JC	JD
Minimum nominal volume (ML)	2 849	2 876	752	34	780
Maximum nominal volume (ML)	4 749	4 794	1 254	56	1 300

The flow condition for a seasonal water assignment of water will be the same as the flow condition of the water allocation or seasonal water assignment notice that is being seasonally assigned. The maximum rate of take under a seasonal water assignment notice will be determined during the processing of the application so that the WASOs and EFOs of the WRP are met.

Seasonal water assignment of a water allocation or seasonal water assignment notice must not lead to the water allocation being managed under a ROL.

The holder of the seasonal water assignment notice must also be a holder of a development permit for works that may take the seasonally assigned water.

12 Procedures

Details of procedures associated with the implementation of these operating rules will be developed and made available by the chief executive.

Attachment**5.3D****Barker Barambah Creeks Water Management Area: Water allocation change rules****1 Permitted changes**

Application for the following changes to a water allocation will be approved. On approval, a change certificate will be issued by the chief executive, which may be lodged with the registrar of water allocations.

1.1 Location

A change to the location of a water allocation:

- From HJ to HK;
- From HK to HJ or HL; or
- From HL to HK.

The proposed change is not a permitted change if the proposed change would result in a distribution of water allocations not provided for in Table 1.

Table 1: Change limits: maximum and minimum nominal volumes by zone

Zones	HJ	HK	HL	JC	JD
Minimum nominal volume (ML)	2 849	2 876	752	34	780
Maximum nominal (ML)	4 749	4 794	1 254	56	1 300

1.2 Purpose

A change to the purpose of the water allocation from 'agriculture' to 'any' or from 'any' to 'agriculture'.

1.3 Amalgamation or subdivision

A change to subdivide a water allocation into two or more water allocations, or to amalgamate two or more water allocations into one water allocation.

If a water allocation is subdivided, the maximum rate for taking water of each new water allocation will be proportional to the volume of the new water allocation.

2 Prohibited changes

The following changes are prohibited changes.

2.1 Location

A change of location from:

- zone JC to any other zone; or

- zone JD to any other zone.

A change that would result in a water allocation with a Water Allocation Group 'Class 1H' being located in zone HL.

A change that would result in a water allocation with a Water Allocation Group 'Class 3H' being located in zone HJ.

2.2 Purpose

A change to a purpose that is not 'agriculture' or 'any'.

2.3 Water allocation group

A change that would alter the water allocation group that applies to a water allocation.

2.4 Rate

A change to the maximum rate of a water allocation that is not a consequence of a change to another attribute of a water allocation.

2.5 Supply of water

A change to a water allocation must not be a change that would lead to the water allocation being managed under a ROL.

2.6 Other

A change to a water allocation that requires an amendment to this ROP, other than an amendment provided for in Chapter 8.

3 Application for change under s.130 of the Water Act

If a water allocation holder wishes to apply for a change to a water allocation that is not permitted under Section 1 above, and not prohibited under Section 2 above, then application may be made under s.130 of the Water Act for the change.

The chief executive will deal with any and all applications made under s.130 of the Water Act, in accordance with the Act. That process is as follows. Notice of the application is published in local newspapers. The notice includes information about where the application can be inspected and invites submissions from the public on the application. The chief executive determines if the application should be approved having regard to the potential impact on a range of interests including other allocation holders and natural ecosystems. If the chief executive approves the application, then the chief executive issues a change certificate that may be lodged with the registrar of water allocations. If the chief executive refuses the application, then the applicant can appeal to the Land Court.

3.1 Registration of change

If an application to change a water allocation is approved, the chief executive will issue a change certificate. The water allocation holder may lodge the change certificate with the registrar of water allocations who will change the water allocation on the water allocation register.

Attachment

5.4A

Boyne and Stuart Rivers Water Management Area: Reserved for future amendments

Attachment

5.4B

**Boyne and Stuart Rivers Water
Management Area: Reserved for
future amendments**

Attachment**5.4C****Boyne and Stuart Rivers Water Management Area: Operating rules****1 Overview**

These operating rules apply to water allocations taken within the Boyne and Stuart Rivers Water Management Area:

- The Boyne River from AMTD 181.8 downstream to the confluence with the Burnett River, including locations directly benefited by flow or pondage from these stream reaches;
- The Stuart River from AMTD 155.7 downstream to the confluence with the Boyne River, including locations directly benefited by flow or pondage from these stream reaches;
- Reedy Creek from AMTD 0.2 downstream to the confluence with the Stuart River; and
- Flagstone Creek from AMTD 0.9 downstream to the confluence with the Stuart River.

These locations are defined in Table 1 of Attachment 2.2 and displayed on the accompanying map sheets.

2 Water year

The water year is from 1 July to 30 June the following year.

3 Location from which water may be taken

The location from which water may be taken is described as a zone on each water allocation. Zone locations are described in Attachment 2.2.

4 Purpose for which water may be taken

The purpose for which water may be taken is stated on each water allocation.

5 Maximum annual volume of water that may be taken

The maximum volume of water that may be taken in a water year for allocations in water allocation groups 1K, 5K and 6K will be the volumetric limit as stated on the allocation. For water allocations groups 2K, 3K, 4K, 7K, 1L, 2L, 3L, and 4L the maximum volume of water that may be taken in a water year will be calculated using the formula:

$$AAL_i * \text{Volumetric Limit}$$

The AAL_i is defined in Section 5.1.

5.1 Annual announced limit

The annual announced limit (AAL_i) is the percentage that is announced by the chief executive for each subcatchment on a water year basis. The AAL_i must not be greater than 100%. This percentage sets the annual limit to the amount of unsupplemented water, which an individual water allocation holder can divert during water year 'i' as a proportion of the volumetric limit.

5.2 Calculation of the annual announced limit

The annual announced limit for unsupplemented water allocations in each subcatchment, except water allocations in water allocation groups 1K, 5K and 6K, must be determined by the following formulae:

$$TAAL_i = 50 + AAL_{i-1} - (TU_{i-1}/SVL * 100) + RAAL_{i-1}$$

$$RAAL_{i-1} = \text{greater } \{ TAAL_{i-1} - 100, 0 \}$$

$$AAL_i = \text{lesser } \{ 100, TAAL_i \}$$

Where:

i = current water year

i - 1 = previous water year

The parameters used in the above relationships are defined in Section 5.3.

5.3 Parameters used in calculating announced allocation

AAL = annual announced limit

That is, the percentage of the water allocation volumetric limit that may be taken for the water year.

TAAL = trial annual announced limit

That is, the trial annual announced limit is a percentage of the water allocation volumetric limit and determines the annual announced limit for a water year and the residual announced allocation limit for the next year.

TU = total use

That is, for the water year, the total diverted unsupplemented water allocations (ML) in water allocation groups 2K, 3K, 4K and 7K for subcatchment K and in water allocation groups 1L, 2L, 3L and 4L for subcatchment L.

SVL = sum volumetric limit

That is, the sum of the volumetric limits (ML) in water allocation groups 2K, 3K, 4K and 7K for subcatchment K and in water allocation groups 1L, 2L, 3L and 4L for subcatchment L.

RAAL = residual annual announced limit

That is, the residual is the amount by which the trial annual announced limit was greater than 100% in the previous year. This may be available in the following water year.

5.4 Rules for determining the annual announced limit

The rules for determining the annual announced limit are:

- the annual announced limit cannot be greater than 100%;
- RAAL is limited between 0% and 50%;
- AAL percentages must be determined and announced within ten business days after the start of the water year; and
- the AAL is calculated using the formula listed in Section 5.2.

6 Maximum rate for taking water

The maximum rate of take stated on a water allocation is the maximum instantaneous rate (in L/s) at which water may be taken.

7 Flow conditions under which water may be taken

The passing flow conditions associated with the water allocation group stated on a water allocation are the stream flow conditions nominally required while water is being taken under the water allocation.

The chief executive will determine when the passing flow conditions exist in water allocation groups 1L, 2L, 3L, 3K and 4L and when water may be taken under arrangements given in Section 8 and Section 9. A period of time during which water may be taken is referred to as an announced period for water harvesting.

Announced periods will not be required in water allocation groups 1K, 2K, 4K, 5K, 6K and 7K. The taking of water in water allocation groups 2K, 4K and 6K must be limited by a device approved by the chief executive.

8 Announced periods for taking water

The chief executive will notify water allocation holders in water allocation groups 1L, 2L, 3L, 3K and 4L of the start and end of an announced period during which water may be taken.

9 Determining announced periods for taking water

The chief executive will determine the start and the end of a period during which the stream flow is estimated to exceed the flow threshold conditions for water allocation groups 1L, 2L, 3L, 3K and 4L and when unsupplemented water can be taken in these water allocation groups.

10 Assessment of quantity of unsupplemented water taken

The following rules apply for the assessment of the quantity of unsupplemented water taken under a water allocation:

- a water allocation holder must provide meter readings to the chief executive and at the end of the water year if required by the chief executive;
- a water allocation holder in water allocation groups 1L, 2L, 2K, 3L, 3K, 4L, 4K and 6K must provide meter readings to the chief executive at the start and finish of any period of take;
- unsupplemented water may be taken only during announced periods in water allocation groups 1L, 2L, 3L, 3K and 4L;
- the chief executive will advise the ROL holder for the Boyne and Tarong Water Supply Scheme of the meter readings and the approved quantities of unsupplemented water taken within ten business days of the conclusion of all announced periods for the Boyne and Stuart Rivers Water Management Area where water is taken from supplemented reaches of the Boyne River; and
- any water taken that is not in accordance with these rules for unsupplemented water and taken from within the limits of the Boyne and Tarong Water Supply Scheme will be treated as supplemented water.

11 Seasonal water assignment rules

A water allocation holder or the holder of a seasonal water assignment notice may apply under s.142 of the Water Act for a seasonal water assignment for the water year in which the application is made. Seasonal water assignment of a water allocation in the Boyne and Stuart Rivers Water Management Area is permitted.

The chief executive will approve all applications to seasonally assign water provided that the application conforms to the following rules:

- Seasonal water assignments may be made to all or part of the unused portion of water that may be taken under a water allocation or seasonal water assignment notice; and
- A water allocation holder may apply for a seasonal assignment of water within any single zone only. Seasonal assignment between zones is prohibited.

The flow condition for a seasonal water assignment of water will be the same as the flow condition of the water allocation or seasonal water assignment notice that is being seasonally assigned. The maximum rate of take under a seasonal water assignment notice will be determined during the processing of the application so that the WASOs and EFOs of the WRP are met. Seasonal water assignment of a water allocation or seasonal water assignment notice must not lead to the water allocation being managed under a ROL.

The holder of the seasonal water assignment notice must also be a holder of a development permit for works that may take the seasonally assigned water.

12 Procedures

Details of procedures associated with the implementation of these operating rules will be developed and made available by the chief executive.

13 Minimum levels in waterholes

This section applies to waterholes within the extent of the Boyne and Stuart Rivers Water Management Area where drawdown of a waterhole may be desired for supply of water allocations.

A water allocation may be taken from a waterhole only if the water level in the waterhole is above the level that is 0.5m below the level at which the waterhole normally flows. These conditions do not apply if the taking of water is in accordance with s.27(2) of the Burnett Basin WRP.

14 Access to water in bed sands

The *Water Regulation 2002* made under s.1006(2) of the Water Act declares water in the aquifer underlying the Boyne River from AMTD 0 to 180 to be water in the watercourse. Holders of water allocations in zone KB may take water from bed sands. The volume of water taken in the relevant water year must not exceed the water allocation holder's volumetric limit.

Excavation work carried out to enhance the efficiency of access to water in the bed sands will require appropriate authorisation under the provision of the Water Act or the *Integrated Planning Act 1997*.

Attachment**5.4D****Boyne and Stuart Rivers
Water Management Area: Water
allocation change rules****1 Permitted changes**

Application for the following changes to a water allocation will be approved. On approval, a change certificate will be issued by the chief executive, which may be lodged with the registrar of water allocations. Movement of a water allocation within a zone is permitted and does not require a registered change.

1.1 Purpose

A change to the purpose of the water allocation from 'agriculture' to 'any' or from 'any' to 'agriculture'.

1.2 Amalgamation or subdivision

A change to subdivide a water allocation into two or more water allocations, or to amalgamate two or more water allocations into one water allocation.

If a water allocation is subdivided, the maximum rate for taking water of each new water allocation will be proportional to the volume of the new water allocation.

Water allocations with the same location and flow condition specifications can be amalgamated into a new water allocation. The volume of the new water allocation will be set at the combined volume of the original water allocations and the new rate will be determined during the application process so that the WASOs and EFOs of the WRP are met.

2 Prohibited changes

The following changes are prohibited changes.

2.1 Location

A change of location from:

- zone LA, KA, KB, KC, KD and KE to any other zone.

2.2 Purpose

A change to a purpose that is not 'agriculture' or 'any'.

2.3 Water allocation group

A change that would alter the water allocation group that applies to a water allocation.

2.4 Rate

A change to the maximum rate of a water allocation that is not a consequence of a change to another attribute of a water allocation.

2.5 Supply of water

A change to a water allocation must not be a change that would lead to the water allocation being managed under a ROL.

2.6 Other

A change to a water allocation that requires an amendment to this ROP, other than an amendment provided for in Chapter 8.

3 Application for change under s.130 of the Water Act

If a water allocation holder wishes to apply for a change to a water allocation that is not permitted under Section 1 above, and not prohibited under Section 2 above, then application may be made under s.130 of the Water Act for the change.

The chief executive will deal with any and all applications made under s.130 of the Water Act, in accordance with the Act. That process is as follows. Notice of the application is published in local newspapers. The notice includes information about where the application can be inspected and invites submissions from the public on the application. The chief executive determines if the application should be approved having regard to the potential impact on a range of interests including other allocation holders and natural ecosystems. If the chief executive approves the application, then the chief executive issues a change certificate that may be lodged with the registrar of water allocations. If the chief executive refuses the application, then the applicant can appeal to the Land Court.

3.1 Registration of change

If an application to change a water allocation is approved, the chief executive will issue a change certificate. The water allocation holder may lodge the change certificate with the registrar of water allocations who will change the water allocation on the water allocation register.

Attachment**6.1A****Coastal Burnett Groundwater Management Area:
Details of water allocations****Table 1: Details of water allocations in unit 1²**

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4166	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1	KOLAN BURNETT A - ZONE 004	ANY	230	230	Class CB-KBA-A	190435
4167	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1	KOLAN BURNETT A - ZONE 010	ANY	15	15	Class CB-KBA-A	41248B
4168	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1	KOLAN BURNETT A - ZONE 016	ANY	150	150	Class CB-KBA-A	177216
4230	CIOCCA CIOCCA	DINO YVONNE JOAN	Tenant in Common	1/2 1/2	BURNETT A - ZONE 001	ANY	102	207	Class CB-KBA-B	172882
4231	CIOCCA	DINO	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 001	ANY	65	131	Class CB-KBA-B	110243B
4232	GALEA	FORTUNATO	Sole Proprietor	1	KOLAN BURNETT A - ZONE 001	ANY	72	146	Class CB-KBA-B	172253
4233	SCHONROCK SCHONROCK	JOHN DAVID AINSLIE CHRISTINA	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 001	ANY	56	113	Class CB-KBA-B	42920B

² Details correct as at 15 November 2010. Any changes to water entitlements that occurred after this date and up to commencement of the plan will be recorded on the

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4234	BORG BORG	LARRY STEPHEN MARYANN MAJELLA	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 001	ANY	72	146	Class CB-KBA-B	53261B
4235	RYAN RYAN	LINDSAY CHARLES DELORES ANNE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 001	ANY	11	22	Class CB-KBA-B	65493AB
4236	CIOCCA CIOCCA	DINO YVONNE JOAN	Tenant in Common	1/2 1/2	BURNETT A - ZONE 001	ANY	67	136	Class CB-KBA-B	95597B
4237	BUNDABERG SUGAR LTD ACN 077102526		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 002	ANY	1596	3800	Class CB-KBA-B	174728
4238	AMARYLLYS HOLDING COMPANY PTY LTD ACN 010 038 730		Sole Proprietor	1	KOLAN BURNETT A - ZONE 002	ANY	105	250	Class CB-KBA-B	172504
4239	AUSTRAL MASONRY (QLD) PTY LTD ACN 000 646 695		Sole Proprietor	1	KOLAN BURNETT A - ZONE 002	ANY	6.7	16	Class CB-KBA-B	42571B
4240	AUSTRAL MASONRY (QLD) PTY LTD ACN 000 646 695		Sole Proprietor	1	KOLAN BURNETT A - ZONE 002	ANY	44	105	Class CB-KBA-B	65618B
4241	HOOIJER HOOIJER	BRAND JOHANNA ALETTE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 003	ANY	71	170	Class CB-KBA-B	172275
4242	HOOIJER HOOIJER	BRAND JOHANNA ALETTE	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 003	ANY	55	131	Class CB-KBA-B	172433

KOLAN

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4243	POULSEN POULSEN	KEITH WILLIAM JOHN MARILYN RUTH	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 003	ANY	61	146	Class CB-KBA-B	176293
4244	CHANGING TIDES PTY LTD ACN 123 726 018		Sole Proprietor	1	KOLAN BURNETT A - ZONE 003	ANY	68	162	Class CB-KBA-B	187441
4245	HOOIJER HOOIJER	BRAND JOHANNA ALETTE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 003	ANY	55	130	Class CB-KBA-B	187442
4246	PACIFIC TREES QLD PTY LIMITED ACN 106 809 714		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 003	ANY	61	146	Class CB-KBA-B	110138B
4247	GALEA GALEA GALEA	MARY TERESA WAYNE JOSEPH ANDREW JAMES	Tenant in Common	1/3 1/3 1/3	KOLAN BURNETT A - ZONE 003	ANY	61	146	Class CB-KBA-B	42170B
4248	SCOTT SCOTT	LEON CLINTON PATRICIA JANE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 003	ANY	36	85	Class CB-KBA-B	53129B
4249	LOESKOW	ALASTAIR ROBERT	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 004	ANY	14	18	Class CB-KBA-B	41498B
4250	TUCKER TUCKER	LLOYD RAYMOND JANICE GAIL	Tenant in Common	1/2 1/2	BURNETT A - ZONE 004	ANY	60	78	Class CB-KBA-B	53124B
4251	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 004	ANY	82	107	Class CB-KBA-B	53125B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4252	MIZZI MIZZI	JOSEPHINE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 004	ANY	8.4	11	Class CB-KBA-B	53155B
4253	SHAILER SHAILER SHAILER SHAILER SHAILER	GREGORY IAN DALE ROBERT VICKI NOELA HEATHER JAYNE	Tenant in Common	1/4 1/4 KOLAN 1/4 1/4	KOLAN BURNETT A - ZONE 004	ANY	1.5	2	Class CB-KBA-B	53704B
4254	MOORE COASTAL PTY LTD ACN 106171877		Sole Proprietor	1	KOLAN BURNETT A - ZONE 004	ANY	15	20	Class CB-KBA-B	95570B
4255	ZANON ZANON	LUIGI BRUNA MARIA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 004	ANY	89	117	Class CB-KBA-B	95749B
4256	WALKER WALKER	CHARLES FRED JOAN DOROTHY	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 005	Any	97	127	Class CB-KBA-B	172077
4257	MURPHY MURPHY	EDWARD MICHAEL GWENNYTH AMY	Tenant in Common	1/2 1/2 KOLAN	KOLAN BURNETT A - ZONE 005	ANY	92	120	Class CB-KBA-B	172276
4258	BONNEY FARMING PTY LTD ACN 111937896		Sole Proprietor	1	KOLAN BURNETT A - ZONE 005	ANY	128	167	Class CB-KBA-B	172282
4259	RIECK RIECK	ROBERT JOHN HENRY BEVERLY	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 005	ANY	112	146	Class CB-KBA-B	172488
4260	SIMMONS	ANN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 005	ANY	30	39	Class CB-KBA-B	172576

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4261	ANASTASI ANASTASI	GAVIN SHANE PATRICIA ROBYN	Tenant in Common	1/2 1/2	BURNETT A - ZONE 005	ANY	76	100	Class CB-KBA-B	177622
4262	ANASTASI ANASTASI	GAVIN SHANE PATRICIA ROBYN	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 005	ANY	13	17	Class CB-KBA-B	177623
4263	SLIZANKIEWICZ	ADAM MATTHEW	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 005	ANY	4.6	6	Class CB-KBA-B	185623
4264	MOFFATT SCALLY	JOHN JOSEPH CREINA MARY	Tenant in Common	1/2 1/2	BURNETT A - ZONE 005	ANY	21	28	Class CB-KBA-B	185625
4265	MACLENNAN	JAMES IAIN	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 005	ANY	0.8	1	Class CB-KBA-B	406412
4266	DOUGLAS	ALLISTER JOHN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 005	ANY	31	40	Class CB-KBA-B	110084B
4267	BROWN BROWN	REUBEN LLOYD BRENDA MARY ANNE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 005	ANY	79	103	Class CB-KBA-B	110242B
4268	MARTIN MARTIN	STEVEN HELEN AUDREY	Tenant in Common	1/2 1/2	BURNETT A - ZONE 005	ANY	112	146	Class CB-KBA-B	42620B
4269	HULL HULL	CRAIG RAYMOND NATASHA KIRY	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 005	ANY	89	117	Class CB-KBA-B	42642B

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4270	REJTANO	PENELOPHY MICHELLE	Sole Proprietor	1	KOLAN BURNETT A - ZONE 005	ANY	36	47	Class CB-KBA-B	53087B
4271	FRICKE	DEAN THOMAS	Sole Proprietor	1	KOLAN BURNETT A - ZONE 005	ANY	96	126	Class CB-KBA-B	53117B
4272	HIELSCHER HIELSCHER	BILL TRAVIS TRISH REBECCA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 005	ANY	50	66	Class CB-KBA-B	53144B
4273	TOMEK	JOHN PAUL	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 005	ANY	27	35	Class CB-KBA-B	95651B
4274	CHESHIRE CHESHIRE	ROSS CHARLES CARY LEA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 006	ANY	112	146	Class CB-KBA-B	172102
4275	ILIC ILIC ILIC	ZVONIMIR DARKO DRAGANA	Tenant in Common	1/3 1/3 1/3 KOLAN	KOLAN BURNETT A - ZONE 006	ANY	105	137	Class CB-KBA-B	172114
4276	DAVIS PASTORAL (QLD) PTY LTD ACN 128 893 569		Sole Proprietor	1	KOLAN BURNETT A - ZONE 006	ANY	76	100	Class CB-KBA-B	172240
4277	PLATH PLATH	GRAHAM JAMES ANNIS MARILYN	Tenant in Common	1/2 1/2	BURNETT A - ZONE 006	ANY	100	131	Class CB-KBA-B	173327
4278	AUSTRAL MASONRY (QLD) PTY LTD ACN 000 646 695		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 006	ANY	89	117	Class CB-KBA-B	172241

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4279	DORANS	JOHN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 006	ANY	6.1	8	Class CB-KBA-B	42529B
4280	CROSS	TREVOR JAMES	Sole Proprietor	1	KOLAN BURNETT A - ZONE 006	ANY	112	146	Class CB-KBA-B	53269B
4281	GALEA GALEA GALEA	MARY TERESA WAYNE JOSEPH ANDREW JAMES	Tenant in Common	1/3 1/3 1/3	KOLAN BURNETT A - ZONE 006	ANY	112	146	Class CB-KBA-B	53649B
4282	STALLAN STALLAN	JOHN ANDREW COLLEEN FRANCES	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 006	ANY	95	125	Class CB-KBA-B	53696B
4283	PN & KA PTY LTD ACN 076379596		Sole Proprietor	1	KOLAN BURNETT A - ZONE 006	ANY	6.9	9	Class CB-KBA-B	95151B
4284	BRYANS BRYANS	WAYNE DOUGLAS SUSAN EMME	Tenant in Common	1/2 1/2	BURNETT A - ZONE 006	ANY	56	73	Class CB-KBA-B	95274B
4285	SARATOGA HOLDINGS PTY LTD ACN 000 636 859 UNI-FACT PTY LTD ACN 001 082 891		Tenant in Common	1/2 ^{KOLAN} 1/2	KOLAN BURNETT A - ZONE 007	ANY	709	928	Class CB-KBA-B	176963
4286	BLACK BLACK	DAVID GEORGE ANGELA MAREE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 007	ANY	33	43	Class CB-KBA-B	110241B
4287	PORTER	MARK ALFRED	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 007	ANY	8.4	11	Class CB-KBA-B	42079B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4288	MCCOLLUM	DAVID MALCOLM	Sole Proprietor	1	KOLAN BURNETT A - ZONE 007	ANY	34	44	Class CB-KBA-B	42265B
4289	GRAY GRAY GRAY	PETER ALLEN MICHELLE MARIE SHANE WILLIAM	Tenant in Common	1/3 1/3 1/3	KOLAN BURNETT A - ZONE 007	ANY	6.1	8	Class CB-KBA-B	42823B
4290	JOYCE	DUANE JOHN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 008	ANY	81	106	Class CB-KBA-B	172139
4291	FRANKLIN FRANKLIN	JOHN WILLIAM MERLE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 008	ANY	71	93	Class CB-KBA-B	172177
4292	LYNCH	DAVID ALEXANDER	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 008	ANY	153	200	Class CB-KBA-B	172247
4293	AMARYLLYS HOLDING COMPANY PTY LTD ACN 010 643 624		Sole Proprietor	1	KOLAN BURNETT A - ZONE 008	ANY	207	271	Class CB-KBA-B	172502
4294	IRONBARK FARMING COMPANY PTY LIMITED ACN 113 126 024		Sole Proprietor	1	KOLAN BURNETT A - ZONE 008	ANY	329	431	Class CB-KBA-B	173463
4295	SARATOGA HOLDINGS PTY LTD ACN 000 636 859		Sole Proprietor	1	KOLAN BURNETT A - ZONE 008	ANY	112	146	Class CB-KBA-B	177192
4296	WILLIAMSON WILLIAMSON	STEPHEN ROBERT SHELLEY JUNE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 008	ANY	23	30	Class CB-KBA-B	403152

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4297	GRIMA GRIMA	KEVIN MICHAEL CARRIE-JO MICHELLE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 008	ANY	64	84	Class CB-KBA-B	403153
4298	KOBI PTY LTD ACN 005273245 SRB NOMINEES PTY LTD ACN 005330978		Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 008	ANY	73	96	Class CB-KBA-B	174346 (zone 008 component)
4299	SEARLE SEARLE	CHRISTOPHER WENDY MAREE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 008	ANY	44	58	Class CB-KBA-B	53157B
4300	LOWE LOWE	PETER WILLIAM RHONDA KARIN	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 008	ANY	54	71	Class CB-KBA-B	53362B
4301	STUART STUART	BEVAN WAYNE RAE MICHELLE	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 008	ANY	65	85	Class CB-KBA-B	53508B
4302	DHURAY KARAN KOKULAN	MARYSUTHA NIRMALLOYINY	Tenant in Common	1/3 1/3 KOLAN 1/3	KOLAN BURNETT A - ZONE 008	ANY	11	15	Class CB-KBA-B	53618B
4303	AUSTIN KEVYN-S	TAMINA	Sole Proprietor	1	KOLAN BURNETT A - ZONE 008	ANY	69	90	Class CB-KBA-B	65195B
4304	GRIMA GRIMA GRIMA GRIMA	ANTHONY ANTONIA CHARLES NAZARENA	Tenant in Common	1/4 1/4 1/4 1/4	KOLAN BURNETT A - ZONE 008	ANY	77	101	Class CB-KBA-B	65387B
4305	WARD WARD	LESLIE OSWALD JOCELYN MARGARET	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 008	ANY	13	17	Class CB-KBA-B	95022B

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4306	DIECKMANN DIECKMANN	ALAN ERIC JOSEPH DEBRA ANNE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 009	ANY	20	24	Class CB-KBA-B	172058
4307	JOYCE	DUANE JOHN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 009	ANY	99	119	Class CB-KBA-B	172061
4308	NATARA PTY LTD ACN 067 742 018		Sole Proprietor	1	KOLAN BURNETT A - ZONE 009	ANY	316	382	Class CB-KBA-B	172243
4309	FISHER RAMALLI	DAVID KEITH BRIDGET MAREE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 009	ANY	175	211	Class CB-KBA-B	172267
4310	LESLIGHT LESLIGHT	RYLAND BRUCE CHERRIE BERNADETTE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 009	ANY	129	156	Class CB-KBA-B	172279
4311	AMARYLLYS HOLDING COMPANY PTY LTD ACN 010 643 624		Sole Proprietor	1	KOLAN BURNETT A - ZONE 009	ANY	143	173	Class CB-KBA-B	172503
4312	PRICHARD PRICHARD	KERRY DOUGLAS RITA CLARE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 009	ANY	171	206	Class CB-KBA-B	172735
4313	BRINDLEY BRINDLEY	BRIAN CHARLES ANN MARGARET	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 009	ANY	3.3	4	Class CB-KBA-B	176973
4314	AUSTRAL MASONRY (QLD) PTY LTD ACN 000 646 695		Sole Proprietor	1	KOLAN BURNETT A - ZONE 009	ANY	27	33	Class CB-KBA-B	176974

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4315	SCHULTE SCHULTE	DESMOND KEITH HELEN MARY	Tenant in Common	1/2 1/2	BURNETT A - ZONE 009	ANY	5	6	Class CB-KBA-B	400896
4316	SCHULTE SCHULTE	DESMOND KEITH HELEN MARY	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 009	ANY	2.5	3	Class CB-KBA-B	400898
4317	GALATI FAMILY INVESTMENT HOLDINGS PTY LTD ACN 121 791 688		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 009	ANY	240	290	Class CB-KBA-B	400899
4318	NATARA PTY LTD ACN 067 742 018		Sole Proprietor	1	KOLAN BURNETT A - ZONE 009	ANY	146	176	Class CB-KBA-B	41203B
4319	BOGG BOGG	ALAN SURRY FAY JEANETTE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 009	ANY	59	71	Class CB-KBA-B	42008B1
4320	WEBSTER WEBSTER	KEVIN NOEL DELPHINE ELIZABETH	Tenant in Common	1/2 1/2 KOLAN	KOLAN BURNETT A - ZONE 009	ANY	10	12	Class CB-KBA-B	42748B
4321	ABOTOMEY	ERICA MARGARET	Sole Proprietor	1	KOLAN BURNETT A - ZONE 009	ANY	8	10	Class CB-KBA-B	42917B
4322	JOHNSON	PAMELA GAY	Sole Proprietor	1	KOLAN BURNETT A - ZONE 009	ANY	1.2	1.5	Class CB-KBA-B	65895B
4323	LAST LAST	RODNEY GEORGE ANNE NARELLE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 009	ANY	23	28	Class CB-KBA-B	95265B

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4324	MAY	NORMA MAE	Sole Proprietor	1	KOLAN BURNETT A - ZONE 010	ANY	6.6	8	Class CB-KBA-B	407905
4325	ZORZAN ZORZAN	VIRGINIO RITA FLOIDE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 010	ANY	214	259	Class CB-KBA-B	602836
4326	ALTADONNA ALTADONNA	MARIANO FRANCO KIMBERLY ANN	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 010	ANY	61	74	Class CB-KBA-B	40416B
4327	ASH ASH	MERVYN BRYCE CARMEL RITA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 010	ANY	47	57	Class CB-KBA-B	40433B
4328	NINNESS EDWARDS	IAN MILTON TRACY MAREE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 010	ANY	68	82	Class CB-KBA-B	40435B
4329	FARRELL FARRELL	DESMOND JAMES REBECCA MARRIANNE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 010	ANY	31	38	Class CB-KBA-B	42689B
4330	LINDERBERG LINDERBERG	RAYMOND COLIN VICKIE LEA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 010	ANY	30	36	Class CB-KBA-B	65876B
4331	HUNTER HUNTER	JOHN JANETTE ANNE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 010	ANY	32	39	Class CB-KBA-B	95502B
4332	HINDS	YVONNE KAY	Sole Proprietor	1	KOLAN BURNETT A - ZONE 010	ANY	5.8	7	Class CB-KBA-B	95505B

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4333	LUDLOW LUDLOW	PAUL JAMES ANN ROSE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 010	ANY	12	15	Class CB-KBA-B	95726B
4334	WATSON	DAVID JOHN	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 010	ANY	17	20	Class CB-KBA-B	95874B
4335	DEMPSTER	MARK LEONARD	Sole Proprietor	1	KOLAN BURNETT A - ZONE 011	ANY	124	150	Class CB-KBA-B	172158
4336	DELAHUNTY DELAHUNTY	JOHN LESLIE KRISTINA DORIS MARGARET	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 011	ANY	48	58	Class CB-KBA-B	172912
4337	TAPCORP PTY LTD ACN 063 097 101		Sole Proprietor	1	KOLAN BURNETT A - ZONE 011	ANY	101	122	Class CB-KBA-B	173054
4338	OSKO PTY LTD ACN 010 203 586		Sole Proprietor	1	KOLAN BURNETT A - ZONE 011	ANY	78	94	Class CB-KBA-B	174418
4339	USSHER USSHER	THOMAS JACOBSEN	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 011	ANY	55	67	Class CB-KBA-B	176296
4340	MEISSNER	COLIN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 011	ANY	60	73	Class CB-KBA-B	181407
4341	MEISSNER MEISSNER	COLIN ARTHUR	Tenant in Common	1/2 1/2	BURNETT A - ZONE 011	ANY	34	41	Class CB-KBA-B	181408

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4342	MINTGROVE PTY LTD ACN 104 226 539		Sole Proprietor	1	KOLAN BURNETT A - ZONE 011	ANY	74	89	Class CB-KBA-B	181409
4343	MASON	MARK JAMES	Sole Proprietor	1	KOLAN BURNETT A - ZONE 011	ANY	71	86	Class CB-KBA-B	40440B
4344	LUCKE LUCKE	WAYNE DARRELL JACINTA CARMEL	Tenant in Common	1/2 1/2	BURNETT A - ZONE 011	ANY	107	129	Class CB-KBA-B	65811B
4345	TAPCORP PTY LTD ACN 063 097 101		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 012	ANY	96	116	Class CB-KBA-B	172288
4346	WILLIAMSON WILLIAMSON LOGAN LOGAN	STEPHEN ROBERT SHELLEY JUNE BRETT RAYMOND KERRY ALISON	Tenant in Common	1/4 1/4 1/4 1/4	KOLAN BURNETT A - ZONE 012	ANY	209	252	Class CB-KBA-B	172298
4347	SPYROU SPYROU	EMANUEL TATIANE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 012	ANY	61	74	Class CB-KBA-B	172914
4348	BOLTON	FIONA LOUISE	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 013	ANY	95	115	Class CB-KBA-B	172060
4349	CINI CINI	JIMMY FRANK VICKI GERALDINE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 013	ANY	142	171	Class CB-KBA-B	172169
4350	GRIMA GRIMA LOWE LOWE	KEVIN MICHAEL CARRIE-JO MICHELLE PETER WILLIAM RHONDA KARIN	Tenant in Common	1/4 1/4 1/4 1/4	KOLAN KOLAN BURNETT A - ZONE 013	ANY	97	117	Class CB-KBA-B	172172

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4351	ORREAL	RAYMOND KEITH	Sole Proprietor	1	KOLAN BURNETT A - ZONE 013	ANY	12	14	Class CB-KBA-B	172248
4352	FRANCIS	JOHN GROSVENOR	Tenant in Common	1/2	KOLAN BURNETT A - ZONE 013	ANY	58	70	Class CB-KBA-B	172445
	FRANCIS	CATHERINE CHRISTINA		1/2						
4353	SMITH	DONALD ARTHUR	Tenant in Common	1/2	KOLAN BURNETT A - ZONE 013	ANY	14	17	Class CB-KBA-B	175327
	SMITH	MARION ANNETTE		1/2						
4354	LESLIGHT	RYLAND BRUCE	Tenant in Common	1/2	KOLAN BURNETT A - ZONE 013	ANY	91	110	Class CB-KBA-B	408177
	LESLIGHT	CHERRIE BERNABETTE		1/2						
4355	ZANDONA	GIOVANNI	Tenant in Common	1/2	BURNETT A - ZONE 013	ANY	6.6	8	Class CB-KBA-B	408178
	ZANDONA	IOLANDA SILVIA		1/2						
4356	USSHER	BRETT DESMOND	Tenant in Common	1/2	KOLAN BURNETT A - ZONE 013	ANY	8.3	10	Class CB-KBA-B	110115B
	USSHER	NOLA ANN		1/2						
4357	CURTIS	RAYMOND JOHN	Tenant in Common	1/2	KOLAN BURNETT A - ZONE 013	ANY	10	12	Class CB-KBA-B	110271B
	CURTIS	FAYE LORRAINE		1/2						
4358	CINI	JIMMY FRANK	Tenant in Common	1/2	KOLAN BURNETT A - ZONE 013	ANY	10	12	Class CB-KBA-B	40413B
	CINI	VICKI GERALDINE		1/2						
4359	CINI	JIMMY FRANK	Tenant in Common	1/2	KOLAN BURNETT A - ZONE 013	ANY	26	32	Class CB-KBA-B	40414B
	CINI	VICKI GERALDINE		1/2						

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4360	HAGENS HAGENS	FRANCIS JOSEPH KAY MAREE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 013	ANY	14	17	Class CB-KBA-B	40423B
4361	PRICHARD PRICHARD	TROY ANTHONY	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 013	ANY	77	93	Class CB-KBA-B	40431B
4362	CARMODY CARMODYKIM	DAVID LUKE AMANDA SARAH ANNE	Tenant in Common	1/2 1/2 KOLAN	KOLAN BURNETT A - ZONE 013	ANY	10	12	Class CB-KBA-B	40437B
4363	THE STATE OF QUEENSLAND (REPRESENTED BY THE DEPARTMENT OF EDUCATION AND TRAINING)		Sole Proprietor	1	KOLAN BURNETT A - ZONE 013	ANY	1.2	1.5	Class CB-KBA-B	41799B
4364	COSTELLO COSTELLO	DAVID PAMELA DENISE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 013	ANY	8.3	10	Class CB-KBA-B	42046B
4365	SUTTON	MARIAN ELIZABETH	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 013	ANY	9.1	11	Class CB-KBA-B	42121B
4366	WARNER WARNER	ALAN NICHOLAS DELYS MONCRIEFF	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 013	ANY	7.5	9	Class CB-KBA-B	42130B
4367	YOUNG PEEN	WILLIAM JOHN TANIA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 013	ANY	1.7	2	Class CB-KBA-B	42183B
4368	MOFFAT	IVAN JAMES	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 013	ANY	12	15	Class CB-KBA-B	53484B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4369	LLOYD-JONES LLOYD-JONES	BARRY LEE ANNETTE CAROL	Tenant in Common	1/2 1/2	BURNETT A - ZONE 013	ANY	2.5	3	Class CB-KBA-B	53556B
4370	DARLINGTON DARLINGTON	BRIAN LEONARD ELIZABETH FAY	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 013	ANY	3.7	4.5	Class CB-KBA-B	53776B
4371	CANTRELL GIDDINS	GLEN ROBERT DEBORAH JOY	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 013	ANY	8.3	10	Class CB-KBA-B	53895B
4372	MCKEOWN NOGAROTTO	JOEL WILLIAM LARA ALENA	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 013	ANY	10	12	Class CB-KBA-B	65025B
4373	IDE IDE	ROGER GRAHAM SUSAN	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 013	ANY	1.7	2	Class CB-KBA-B	65722B
4374	THE STATE OF QUEENSLAND (REPRESENTED BY THE DEPARTMENT OF EDUCATION AND TRAINING)		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 013	ANY	12	15	Class CB-KBA-B	95376B
4375	SARATOGA HOLDINGS PTY LTD ACN 000 636 859		Sole Proprietor	1	KOLAN BURNETT A - ZONE 014	ANY	166	200	Class CB-KBA-B	171823
4376	PLATH	MELISSA	Sole Proprietor	1	KOLAN BURNETT A - ZONE 014	ANY	102	123	Class CB-KBA-B	172121
4377	STECK	MANFRED HEINZ	Sole Proprietor	1	KOLAN BURNETT A - ZONE 014	ANY	10	12	Class CB-KBA-B	172278

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4378	FLANDERS FLANDERS FLANDERS	JANICE FAY JANICE FAY BEVAN GRAHAM	Tenant in Common	1/3 1/3 1/3	KOLAN BURNETT A - ZONE 014	ANY	5.8	7	Class CB-KBA-B	172280
4379	FRANCIS	JOHN GROSVENOR	Sole Proprietor	1	KOLAN BURNETT A - ZONE 014	ANY	91	110	Class CB-KBA-B	172733
4380	LOGAN LOGAN WILLIAMSON WILLIAMSON DAVID RUSSO PTY LIMITED ACN 110997816	BRETT RAYMOND KERRY ALISON STEPHEN ROBERT SHELLEY JUNE	Tenant in Common	1/5 1/5 1/5 1/5 1/5	KOLAN BURNETT A - ZONE 014	ANY	76	92	Class CB-KBA-B	174354
4381	STEPHENSON	SARAH JANETTE MARY	Sole Proprietor	1	KOLAN BURNETT A - ZONE 014	ANY	21	25	Class CB-KBA-B	189904
4382	CHURCHWARD	EDWIN HENRY	Sole Proprietor	1	KOLAN BURNETT A - ZONE 014	ANY	9.1	11	Class CB-KBA-B	110309B
4383	NEWTON NEWTON	MARK PATRICK STEPHANIE JANE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 014	ANY	22	27	Class CB-KBA-B	110326B
4384	MCGUIRE MCGUIRE	SHAUN TIMOTHY GLENDA LORRAINE	Tenant in Common	1/2 1/2	KOLAN KOLAN BURNETT A - ZONE 014	ANY	12	15	Class CB-KBA-B	110327B
4385	HUDSON NORTON	PAUL NORMAN JANE HELEN	Tenant in Common	1/2 1/2	BURNETT A - ZONE 014	ANY	15	18	Class CB-KBA-B	110328B

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4386	HUDSON NORTON	PAUL NORMAN JANE HELEN	Tenant in Common	1/2 1/2	BURNETT A - ZONE 014	ANY	18	22	Class CB-KBA-B	40085B
4387	ONG ANG	CHONG LENG BEE KIAT	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 014	ANY	16	19	Class CB-KBA-B	42127B
4388	WARD WARD	CLIVE FRANCIS AUDREY META CHRISTINE	Tenant in Common	1/2 1/2 KOLAN	KOLAN BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	42244B
4389	A & M GREEN INVESTMENTS PTY LTD ACN 123 073 718 S & K GREEN INVESTMENTS PTY LTD ACN 122 778 063		Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 014	ANY	121	146	Class CB-KBA-B	42484B
4390	PEARCE PEARCE	GRAHAM ROBERT CHERYL RAE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	42930B
4391	SARATOGA HOLDINGS PTY LTD ACN 000 636 859		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 014	ANY	16	19	Class CB-KBA-B	42988B
4392	APPLEBY APPLEBY	ROYSTON GEORGE PAULINE ANN	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	53065B
4393	WATSON	DENISE MARGARET	Sole Proprietor	1	KOLAN BURNETT A - ZONE 014	ANY	9.1	11	Class CB-KBA-B	53413B

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4394	PEGG PEGG	GRAHAM ROBERT THOMAS	Tenant in Common	1/2 1/2	BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	53529B
4395	LOUGHRAN LOUGHRAN	KENNETH RAY DOROTHY JEAN	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	53816B
4396	OSBORNE OSBORNE	BRIAN MARTIN ROSA MARIE	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	53923B
4397	PEGG	BRIAN KEITH	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	65651B
4398	BAWDEN BAWDEN	LINDSAY DOUGLAS CARMEL JEAN	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	65688B
4399	PONICKE PONICKE	WILLIAM ROBERT ALICE EDNA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	65695B
4400	LARESE-CELLA	FLAVIO	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	65732B
4401	POTTER POTTER	BRUCE NOEL ROBIN MICHELLE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 014	ANY	7.5	9	Class CB-KBA-B	65877B
4402	HILLIER HILLIER	BRYAN JOHN SHARON ESTELLE	Tenant in Common	1/2 1/2 KOLAN	KOLAN BURNETT A - ZONE 014	ANY	29	35	Class CB-KBA-B	95239B

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4403	SCOTT SCOTT	RODNEY JAMES ERIKA FAYE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 014	ANY	7.5	9	Class CB-KBA-B	95241B
4404	LARESE-CELLA	CLAUDIO	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 014	ANY	1.7	2	Class CB-KBA-B	95285B
4405	HINDMARCH HINDMARCH	GRAHAM SHANE TANIA MAREE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 015	ANY	4.6	10	Class CB-KBA-B	500288
4406	BUNDABERG SUGAR LTD ACN 077102526		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 015	ANY	57	125	Class CB-KBA-B	500289
4407	PATERSON PATERSON	BRUCE JEAN MARY	Tenant in Common	1/2 1/2	BURNETT A - ZONE 015	ANY	17	36	Class CB-KBA-B	41017B
4408	STEELE STEELE	RONALD MONTAGUE GERALDINE JOAN	Tenant in Common	1/2 1/2 KOLAN	KOLAN BURNETT A - ZONE 015	ANY	8.7	19	Class CB-KBA-B	42186B
4409	PEEK PEEK	JOHN MILTON KAREN ANNETTE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 015	ANY	23	50	Class CB-KBA-B	42948B
4410	LINES LINES LINES	DARRYL LESLIE RONALD LESLIE MYRTLE ROSE	Tenant in Common	1/3 1/3 KOLAN 1/3	KOLAN BURNETT A - ZONE 015	ANY	30	65	Class CB-KBA-B	53570B
4411	RASMUSSEN	MARILYN JOYCE	Sole Proprietor	1	KOLAN BURNETT A - ZONE 016	ANY	58	127	Class CB-KBA-B	172144

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4412	BUNDABERG GOLF CLUB		Sole Proprietor	1	KOLAN BURNETT A - ZONE 016	ANY	55	121	Class CB-KBA-B	405981
4413	TRAMACCHI TRAMACCHI	PAUL ANTHONY ANNETTE DIANA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 016	ANY	11	24	Class CB-KBA-B	409339
4414	SPLETTER	HAROLD WILLIAM JOHN	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 016	ANY	3.2	7	Class CB-KBA-B	42198B
4415	WOOD	ROSENE LILLIAN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 016	ANY	0.5	1	Class CB-KBA-B	42291B
4416	BLACKBOURN BLACKBOURN	IAN RICHARD DAINIE ELIZABETH	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 016	ANY	4.6	10	Class CB-KBA-B	42870B
4417	PRATT PRATT	DAVID PETER CORNELIA ANTONIA	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 016	ANY	5.5	12	Class CB-KBA-B	65189B
4418	WILLIAMS NORTON	HOWARD JOHN LINDA MARGARET	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 017	ANY	9	10	Class CB-KBA-B	110202B
4419	HULL HULL	RAYMOND ERNEST MURIEL CATHERINE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 017	ANY	40	44	Class CB-KBA-B	41892B
4420	ARKELL ARKELL	BRYAN SUZANNE MAY	Tenant in Common	1/2 1/2	BURNETT A - ZONE 017	ANY	72	80	Class CB-KBA-B	95333B

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4421	REXA REXA	KURT HEINZ BERYLE FAY	Tenant in Common	1/2 1/2	BURNETT A - ZONE 018	ANY	22	24	Class CB-KBA-B	409461
4422	SARATOGA HOLDINGS PTY LTD ACN 000636859		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 018	ANY	32	36	Class CB-KBA-B	110027B
4423	KOBI PTY LTD ACN 005273245 SRB NOMINEES PTY LTD ACN 005330978		Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 018	ANY	67	74	Class CB-KBA-B	174346 (zone 018 component)
4424	SIMMONS SIMMONS	SCOTT DANIEL TONI HELEN	Tenant in Common	1/2 1/2	BURNETT A - ZONE 018	ANY	35	39	Class CB-KBA-B	41176B
4425	RANSON	SIMON JOHN	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 018	ANY	32	36	Class CB-KBA-B	42334B
4426	TOWNSON	DAVID RODNEY	Sole Proprietor	1	KOLAN BURNETT A - ZONE 018	ANY	45	50	Class CB-KBA-B	42337B
4427	GALWAY	KARLENE ADELE	Sole Proprietor	1	KOLAN BURNETT A - ZONE 018	ANY	25	28	Class CB-KBA-B	53759B
4428	FULCHER FULCHER	GEOFFREY HOWES JEAN ELIZABETH	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 018	ANY	29	32	Class CB-KBA-B	53822B
4429	GRIMA GRIMA	MICHAEL JOSEPH BREE ELENA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 018	ANY	19	21	Class CB-KBA-B	53879B

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4430	HOLMES	TREVOR ALBERT	Sole Proprietor	1	KOLAN BURNETT A - ZONE 018	ANY	22	24	Class CB-KBA-B	95021B
4431	RANSON	SIMON JOHN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 018	ANY	1.8	2	Class CB-KBA-B	95169B
4432	LARESE-CELLA	FLAVIO	Sole Proprietor	1	KOLAN BURNETT A - ZONE 019	ANY	10	11	Class CB-KBA-B	172078
4433	WIEDEN WIEDEN WIEDEN	MARK RAYMOND MADONNA CATHERINE JEREMY LUKE	Tenant in Common	1/3 1/3 1/3	KOLAN BURNETT A - ZONE 019	ANY	16	18	Class CB-KBA-B	172178
4434	PROSSLINER PROSSLINER	GARY ROBERT ROBYN LEE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 019	ANY	31	34	Class CB-KBA-B	172274
4435	SARATOGA HOLDINGS PTY LTD ACN 000 636 859		Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 019	ANY	33	37	Class CB-KBA-B	178454
4436	DE PAOLI	SASKIA	Sole Proprietor	1	KOLAN BURNETT A - ZONE 019	ANY	45	50	Class CB-KBA-B	179470
4437	MILLAR MILLAR	ERIC MAX	Tenant in Common	1/2 1/2	BURNETT A - ZONE 019	ANY	36	40	Class CB-KBA-B	179471
4438	HARTFIEL HARTFIEL YOLANDA	STEPHANIE KAREN BEVAN JAMES	Tenant in Common	1/2 KOLAN 1/2	KOLAN BURNETT A - ZONE 019	ANY	13	14	Class CB-KBA-B	406303

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4439	ROWAN	WILLIAM JOHN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 019	ANY	3.6	4	Class CB-KBA-B	40839B
4440	GALEA GALEA	MICHAEL JOHN MARY ANNE	Tenant in Common	1/2 1/2	BURNETT A - ZONE 019	ANY	32	35	Class CB-KBA-B	41444B
4441	HUTH HUTH	REGINALD VICTOR FRANCES NOLA	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 019	ANY	3.6	4	Class CB-KBA-B	42035B
4442	ALLCOCK ALLCOCK	MATTHEW BERNARD PAULA JUNE	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 019	ANY	13	14	Class CB-KBA-B	42043B
4443	SCHOORMANS SCHOORMANS SCHOORMANS	FONS RONNY ALPHONSIUS AUGUSTINES ANNA MARIA HENRICA PETRONELLA	Tenant in Common	1/3 1/3 1/3	KOLAN BURNETT A - ZONE 019	ANY	80	89	Class CB-KBA-B	42049B
4444	MILLAR MILLAR	ERIC MAX	Tenant in Common	1/2 1/2	BURNETT A - ZONE 019	ANY	37	41	Class CB-KBA-B	42607B
4445	LUCKE LUCKE	WAYNE DARRELL JACINTA CARMEL	Tenant in Common	1/2 1/2	KOLAN BURNETT A - ZONE 019	ANY	11	12	Class CB-KBA-B	42913B
4446	BUNDABERG YOLANDA REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1	KOLAN BURNETT A - ZONE 019	ANY	1.8	2	Class CB-KBA-B	42992B
4447	THWAITE	WARREN BEVAN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 019	ANY	9	10	Class CB-KBA-B	53138B

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4448	GALLETLY GALLETLY	TREVOR FRANK JOANNA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 019	ANY	3.6	4	Class CB-KBA-B	53196B
4449	COOPER	JASON DAVID	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 019	ANY	11	12	Class CB-KBA-B	53580B
4450	HASSAM	ROSS STEPHEN	Sole Proprietor	1	KOLAN BURNETT A - ZONE 019	ANY	23	25	Class CB-KBA-B	53809B
4451	HOLZBERGER HOLZBERGER	WARREN LESLIE PATRICIA KAY	Tenant in Common	1/2 1/2	BURNETT A - ZONE 019	ANY	1.8	2	Class CB-KBA-B	65430B
4452	KOHLHARDT KOHLHARDT	JAMES RICHARD MARIE PHYLLIS	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 019	ANY	18	20	Class CB-KBA-B	95373B
4453	ANGEL BARNES	BRUCE RICHARD ROBYN JUNE	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 020	ANY	9	10	Class CB-KBA-B	172062
4454	MCCARTNEY	JOHN WILLIAM	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 020	ANY	9	10	Class CB-KBA-B	172432
4455	D'ADDARIO D'ADDARIO	MARIO ATTILIO	Tenant in Common	1/2 1/2	BURNETT A - ZONE 020	ANY	38	42	Class CB-KBA-B	172736
4456	PRICHARD PRICHARD	CHRISTOPHER KATHRYN MAY	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 020	ANY	17	19	Class CB-KBA-B	174780

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4457	WHITE WHITE WHITE WHITE BULL	JEFFERY MARK DARREN KENNETH TONY DAVID DAPHNE JOYCE TERESA MICHELLE	Tenant in Common	1/5 1/5 1/5 1/5 1/5	KOLAN BURNETT A - ZONE 020	ANY	18	20	Class CB-KBA-B	42356B
4458	SKEELS HICKS	GARY ANTHONY	Tenant in Common	1/2 1/2	BURNETT A - ZONE 020	ANY	13	14	Class CB-KBA-B	42721B
4459	DEVLIN DEVLIN JOANNE	PATRICK JOSEPH BEVERLY ANN	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 020	ANY	17	19	Class CB-KBA-B	53348B
4460	WILSON	LEE-ANN KATHLEEN	Sole Proprietor	1 KOLAN	KOLAN BURNETT A - ZONE 020	ANY	20	22	Class CB-KBA-B	53956B
4461	ROWE ROWE	PETER ANDREW KATRINA	Tenant in Common	1/2 1/2	BURNETT A - ZONE 020	ANY	1.8	2	Class CB-KBA-B	65580B
4462	KRUSE OEI	SHANE DAVID JULIE ANN	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 020	ANY	1.8	2	Class CB-KBA-B	95081B
4463	TAVERNER TAVERNER	ANTHONY PAUL KAREN LOUISE	Tenant in Common	1/2 1/2 KOLAN	BURNETT A - ZONE 020	ANY	14	16	Class CB-KBA-B	95802B
4169	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1 KOLAN	BURNETT ELLIOTT A - ZONE 042	ANY	489	489	Class CB-BEA-A	53994B
4229	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 053	ANY	6020	6020	Class CB-BEA-A	177218

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4464	BAKER BAKER	DAVID ERROL JENNIFER AGNES	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 026	ANY	5.6	12	Class CB-BEA-B	172246
4465	HANSEN	STEPHEN ARTHUR	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 025	ANY	0.9	2	Class CB-BEA-B	41746B
4466	HANSEN	STEPHEN ARTHUR	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 025	ANY	0.9	2	Class CB-BEA-B	41748B
4467	BURKE BURKE	RAYMOND VICTOR SHIRLEY ANN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 025	ANY	0.5	1	Class CB-BEA-B	41802B
4468	BUNDABERG SUGAR LTD ACN 077102526		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 026	ANY	231	493	Class CB-BEA-B	176921
4469	LATTER LATTER	JOHN HEMPHILL HELEN ELAINE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 026	ANY	1.9	4	Class CB-BEA-B	110260B
4470	CHAPMAN CHAPMAN	BARBARA JOY	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 026	ANY	8.9	19	Class CB-BEA-B	40365B
4471	RASMUSSEN MAURICE RASMUSSEN	NEIL BEVAN JENNIFER ANN	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 026	ANY	7	15	Class CB-BEA-B	40554B
4472	YOUNG YOUNG	DOUGLAS JAMES YVONNE RUTH	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 026	ANY	21	45	Class CB-BEA-B	40594B
4473	BARGARA GOLF CLUB ACN 009863325		Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 026	ANY	9.4	20	Class CB-BEA-B	53064B
4474	BEDFORD CLARK	BRIAN LESLIE NOEL FREDRICK	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 026	ANY	11	23	Class CB-BEA-B	53163B

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4475	FENTON	ARTHUR EDWARD	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 026	ANY	2.3	5	Class CB-BEA-B	65185B
4476	LEWIS	TERENCE ROBERT	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 026	ANY	1.9	4	Class CB-BEA-B	65191B
4477	CURTIS LEWIS	MATTHEW FRANK SARAH JANE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 026	ANY	1.9	4	Class CB-BEA-B	65672B
4478	METZ METZ	LYNNE RAELEN FRANCISCUS	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 026	ANY	1.9	4	Class CB-BEA-B	65766B
4479	NYDAM NYDAM	CORNELIUS MARTINUS CAROLYN THERESE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 026	ANY	1.9	4	Class CB-BEA-B	95009B
4480	WILSON WILSON	DAVID JOHN SUSAN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 026	ANY	1.9	4	Class CB-BEA-B	95410B
4481	ASKEY ASKEY	JOHN EDWARD WILLIAM VIVIANNE MARY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 026	ANY	2.8	6	Class CB-BEA-B	95440B
4482	HOLCIM (AUSTRALIA) PTY LTD ACN 099732297		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 027	ANY	70	156	Class CB-BEA-B	173351
4483	KELLY	STEPHEN BURNETT	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 027	ANY	36	80	Class CB-BEA-B	184958
4484	THOMAS	MERLENE MARGARET	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 027	ANY	78	175	Class CB-BEA-B	110056B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4485	WALTER ELLIOTT HOLDINGS PTY LTD ACN 005277038		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 027	ANY	13	30	Class CB-BEA-B	40581B
4486	BARGARA PROPERTY INVESTMENTS PTY LTD ACN 116994542		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 027	ANY	40	90	Class CB-BEA-B	40586B
4487	THE ROMAN CATHOLIC TRUST CORPORATION FOR THE DIOCESE OF ROCKHAMPTON		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 028	ANY	50	111	Class CB-BEA-B	172251
4488	SUOSAARI INVESTMENTS PTY LTD ACN 009 975 053		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 028	ANY	66	148	Class CB-BEA-B	42678B
4489	BORAL RESOURCES (QLD) PTY LIMITED ACN 009 671 809		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 029	ANY	27	60	Class CB-BEA-B	172164
4490	BANNISTER	PETER FRANCIS	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 029	ANY	47	105	Class CB-BEA-B	40634B
4491	BANNISTER	JENNIFER MARGARET	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 029	ANY	37	82	Class CB-BEA-B	40636B

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4492	WALKER STALLAN	CLEMENT ALEXANDER CHARLES AVALON MAYLENE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 029	ANY	53	119	Class CB-BEA-B	41811B
4493	AUSTCORP PROJECT NO 4 PTY LTD ACN 104 432 715		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 029	ANY	0.9	2	Class CB-BEA-B	65583B
4494	EDALS INVESTMENTS PTY LTD ACN 061 835 201		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 030	ANY	50	99	Class CB-BEA-B	174789
4495	HARVEY	GRAEME CHARLES	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 030	ANY	2.5	5	Class CB-BEA-B	42931B
4496	SHEPHERD SHEPHERD	GORDON PATRICIA MARY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 031	ANY	36	72	Class CB-BEA-B	172053
4497	RAINES	DENNIS ALLAN	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 031	ANY	59	117	Class CB-BEA-B	172073
4498	BONNET BONNET	MICHEL DAVID PHILOMENA MARY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 031	ANY	42	84	Class CB-BEA-B	172289
4499	GLASSOP ATKINSON	PATRICIA RODNEY ALLAN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 031	ANY	132	261	Class CB-BEA-B	172435
4500	WHALLEY WHALLEY	DAVID RICHARD PATRICIA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 031	ANY	60	119	Class CB-BEA-B	172580

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4501	SPRINGFIELD GARDENS CREMATORIUM PTY LTD ACN 112602990		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 031	ANY	15	30	Class CB-BEA-B	110259B
4502	TAYLOR ASHLIN	DANIEL NEIL ERICA NATASHA	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 031	ANY	2.5	5	Class CB-BEA-B	42733B
4503	GREGOR	ISTVAN	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 031	ANY	30	59	Class CB-BEA-B	53320B
4504	RAINES	DENNIS ALLAN	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 032	ANY	49	97	Class CB-BEA-B	173339
4505	SHEPHERD SHEPHERD	GORDON PATRICIA MARY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 032	ANY	40	80	Class CB-BEA-B	174424
4506	MANERA MANERA JNR MANERA MANERA	JOHN JOSEPH JOHN JOSEPH TERESA LINA ALICE KIM MAREE	Tenant in Common	1/4 1/4 1/4 1/4	BURNETT BURNETT ELLIOTT A - ZONE 032	ANY	329	652	Class CB-BEA-B	176122
4507	STROHMEYER STROHMEYER	NOEL BEVIN LYNETTE JOY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 032	ANY	2	4	Class CB-BEA-B	41372B
4508	HENRICKSEN HENRICKSEN	DAVID JOHN JAIN CAROLYN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 033	ANY	74	147	Class CB-BEA-B	172076
4509	NIXON	BRADLEY JOHN	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 033	ANY	36	72	Class CB-BEA-B	172250
4510	PAGE	STEPHEN JAMES	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 033	ANY	45	90	Class CB-BEA-B	173348

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4511	SHEPHERD SHEPHERD	GORDON PATRICIA MARY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 033	ANY	80	159	Class CB-BEA-B	176297
4512	ROCKAQUA PTY LTD ACN 072 059 691		Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 033	ANY	20	40	Class CB-BEA-B	53008B
4513	O'BRIEN	PATRICK VINCENT	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 033	ANY	15	30	Class CB-BEA-B	65227B
4514	BUNDABERG PRAWN FARM PTY LTD ACN 071103672		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 034	ANY	79	156	Class CB-BEA-B	172249
4515	TASKE TASKE	ROBERT ERIC EVELYN MAY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 034	ANY	85	168	Class CB-BEA-B	172450
4516	BISHOP BISHOP	ARTHUR JAMES DIANNE MARGARET	Tenant in Common	1/2 1/2 BURNETT	BURNETT ELLIOTT A - ZONE 034	ANY	4	8	Class CB-BEA-B	65964B
4517	STUDMAN STUDMAN	BRIAN GEORGE YUKIKO	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 035	ANY	30	59	Class CB-BEA-B	172050
4518	DARTCOM PTY LTD ACN 122 347 353		Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 035	ANY	85	168	Class CB-BEA-B	172294
4519	SCHOUTEN SCHOUTEN	WILHELMUS HENRICUS JOZEF MAJELLA RITA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 035	ANY	5	10	Class CB-BEA-B	404027
4520	DARTCOM PTY LTD ACN 122 347 353		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 035	ANY	20	40	Class CB-BEA-B	578937
4521	DARTCOM PTY LTD ACN 122 347 353		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 035	ANY	19	38	Class CB-BEA-B	578939

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4522	DARTCOM PTY LTD ACN 122 347 353		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 035	ANY	19	37	Class CB-BEA-B	578940
4523	DEE DEE	DARRIN RICHARD WENDY MABEL	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 035	ANY	10	20	Class CB-BEA-B	578941
4524	WILLIAMS WILLIAMS	LANCE CHARLES JANICE JOYCE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 035	ANY	30	60	Class CB-BEA-B	65749B
4525	BUNDABERG SUGAR LTD ACN 077102526		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 037	ANY	217	617	Class CB-BEA-B	176583
4180	HEIDKE HEIDKE	ALWYN CARL WARREN FREDRIC	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 038	ANY	152	294.5	Class CB-BEA-B	172051
4526	KLOTZ KLOTZ	KEVIN JOHN ELIZABETH FAYLE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 038	ANY	134	261	Class CB-BEA-B	171532
4527	REHBEIN REHBEIN	WILLIAM EDMUND ANN MAREE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 038	ANY	98	190	Class CB-BEA-B	173331
4528	RASMUSSEN RASMUSSEN	IAN JOHN MARILYN JOYCE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 038	ANY	34	66	Class CB-BEA-B	110247B
4529	ZUNKER ZUNKER	DARREN JOHN LINDA MARY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 038	ANY	63	123	Class CB-BEA-B	174087 (upper unit component)
4530	ZUNKER ZUNKER	DARREN JOHN LINDA MARY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 038	ANY	27	53	Class CB-BEA-B	179270 (upper unit component)
4531	GREENSILL	LLOYD ALEXANDER	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 038	ANY	8.7	17	Class CB-BEA-B	40592B

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4532	NATZKE	FREDERICK LEIGHTON	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 038	ANY	56	109	Class CB-BEA-B	42446B
4533	SMEE SMEE	JEFFREY WILLIAM SUSAN BERYL	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 038	ANY	2.1	4	Class CB-BEA-B	42474B
4534	ZUNKER	DARREN JOHN	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 038	ANY	49	95	Class CB-BEA-B	42918B
4535	GILLIES	GLENYS MARY	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 039	ANY	41	80	Class CB-BEA-B	172174
4536	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 039	ANY	15	30	Class CB-BEA-B	185338
4537	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 039	ANY	24	46	Class CB-BEA-B	185339
4538	BALTRUSCH BALTRUSCH	GEORG MELODY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 039	ANY	15	30	Class CB-BEA-B	185340
4539	RASMUSSEN RASMUSSEN	IAN JOHN MARILYN JOYCE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 039	ANY	28	54	Class CB-BEA-B	40600B
4540	MUNCKTON MUNCKTON	WAYNE HERBERT JOSEPHINE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 039	ANY	57	110	Class CB-BEA-B	40627B
4541	PITT PITT	KEITH JOHN ALLISON JANE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 039	ANY	56	109	Class CB-BEA-B	40628B
4542	GORLICK GORLICK	ANTHONY JAMES ELIZABETH ANNE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 039	ANY	15	30	Class CB-BEA-B	41119B

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4543	PAGE PAGE	ANDREW JOHN JOANNA MAY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 039	ANY	1	2	Class CB-BEA-B	53053B
4544	KLOTZ KLOTZ	JASON ALLAN FIONA DAWN	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 039	ANY	67	131	Class CB-BEA-B	53088B
4545	POINTON POINTON	BRETT ERIC TRICIA LEANNE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 039	ANY	1.5	3	Class CB-BEA-B	53284B
4546	AKERS AKERS	DEAN ASHLEY ROSSLYN JUDITH	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 039	ANY	43	84	Class CB-BEA-B	53542B
4547	MCCREA MCCREA	MALCOLM	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 039	ANY	18	35	Class CB-BEA-B	53971B
4548	SHOBRIDGE SHOBRIDGE SHOBRIDGE SHOBRIDGE	JOHN PATRICIA JENNIFER KATHERINE GARY JOHN DONNA LYN	Tenant in Common	1/4 1/4 BURNETT 1/4 1/4	BURNETT ELLIOTT A - ZONE 040	ANY	65	126	Class CB-BEA-B	176385
4549	GINNS	STEPHEN PETER	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 040	ANY	27	53	Class CB-BEA-B	176386
4551	HARRISON REHBEIN	KATE ANNE GREGORY ROSS	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 040	ANY	62	120	Class CB-BEA-B	407576
4552	MALLET MALLET	EVAN JOSEPH BEVERLEY JEAN	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 040	ANY	60	117	Class CB-BEA-B	567958
4553	MCPHERSON MCPHERSON	CHRISTINA LOUISE ANDREW BRUCE	Tenant in Common	1/2 1/2 BURNETT	BURNETT ELLIOTT A - ZONE 040	ANY	25	48	Class CB-BEA-B	172431 (upper unit component)

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4554	PITT PITT	TREVOR JOHN GABRIELLE MAY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 040	ANY	57	111	Class CB-BEA-B	53461B
4555	BROWN BROWN	DARRYL EDWARD KIM MAREE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 040	ANY	23	45	Class CB-BEA-B	95369B
4556	PITT PITT	TREVOR JOHN GABRIELLE MAY	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 040	ANY	77	150	Class CB-BEA-B	95434B
4557	GARDINER GARDINER	PETER JOHN SWIFT KAY ANDREA	Tenant in Common	1/2 1/2 BURNETT	BURNETT ELLIOTT A - ZONE 041	ANY	2.1	4	Class CB-BEA-B	42671B
4558	PRESSLER	JOHN FREDERICK	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 041	ANY	4.1	8	Class CB-BEA-B	42745B
4559	BALDWIN BALDWIN	ROBERT SHIRLEY MARGARET	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 041	ANY	1	2	Class CB-BEA-B	53271B
4560	MARLES	DOLORES KATHERINE	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 041	ANY	1.5	3	Class CB-BEA-B	65904B
4561	COURTICE COURTICE	DAVID ANDREW BRIAN WILLIAM	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 042	ANY	127	247	Class CB-BEA-B	176639
4562	SVENSSON	DIANN MARGARET	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 042	ANY	6.2	12	Class CB-BEA-B	187913
4563	G SANTALUCIA INVESTMENT PTY LTD ACN 103905095		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 042	ANY	26	51	Class CB-BEA-B	187914

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4564	HOLT	MIRANDA MEGAN	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 042	ANY	52	101	Class CB-BEA-B	407476
4565	JESS JESS	DOUGLAS AUGUST LEONA RAE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 042	ANY	1	2	Class CB-BEA-B	41295B
4566	JOWETT JOWETT	ERNEST HENRY LINDA MAY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 042	ANY	68	133	Class CB-BEA-B	95453B
4567	OLIVE OLIVE	MICHAEL JOHN HELEN MARY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	58	112	Class CB-BEA-B	170950
4568	CROSSETT CROSSETT	REGINALD ALLAN GAIL JENNIFER	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	143	278	Class CB-BEA-B	172103
4569	PITT PITT	TREVOR JOHN GABRIELLE MAY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	109	212	Class CB-BEA-B	178111
4570	BASS BASS	INGRID JON RAYMOND	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	5.1	10	Class CB-BEA-B	178656
4571	BASS BASS	INGRID JON RAYMOND	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	36	70	Class CB-BEA-B	178657
4572	CROSSETT CROSSETT	REGINALD ALLAN GAIL JENNIFER	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	35	68	Class CB-BEA-B	401636
4573	SHOBRIDGE SHOBRIDGE	JOHN PATRICIA KATHERINE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	33	65	Class CB-BEA-B	404895
4574	FLEMING FLEMING	BRYCE IAN SUZANNE JOY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	23	45	Class CB-BEA-B	404896

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4575	PRICHARD PRICHARD	KERRY DOUGLAS RITA CLARE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 043	ANY	56	109	Class CB-BEA-B	110303B
4576	PRENTICE PRENTICE PRENTICE	KATHRYN JEANETTE	Tenant in Common	1/3 1/3 1/3	BURNETT BURNETT ELLIOTT A - ZONE 043	ANY	6.7	13	Class CB-BEA-B	40252B
4577	BUSH BUSH	KEVAN MICHAEL COLIN HERBERT JANICE THERESE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 043	ANY	18	35	Class CB-BEA-B	41123B
4578	MAYBERRY MAYBERRY	MICHAEL JON LAUREL EILEEN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	20	38	Class CB-BEA-B	41126B
4579	WITTEN WITTEN	HUGH THOMAS ELIZABETH MIFANWY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	12	24	Class CB-BEA-B	41129B
4580	WILSON	ARTHUR HENRY	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 043	ANY	27	52	Class CB-BEA-B	41138B
4581	DOGAN DOGAN	GUNKUT RAMAZAN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 043	ANY	1	2	Class CB-BEA-B	41264B
4582	THE STATE OF QUEENSLAND (REPRESENTED BY THE DEPARTMENT OF EDUCATION AND TRAINING)		Sole Proprietor	1	BURNETT BURNETT ELLIOTT A - ZONE 043	ANY	0.8	1.5	Class CB-BEA-B	53515B
4583	REJTANO	CHARLES ANTHONY	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 043	ANY	45	88	Class CB-BEA-B	53966B
4584	PRATT PRATT	RAYMOND JOSEPH MARY ANNE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	5.1	10	Class CB-BEA-B	65004B

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4585	JOHNSTON JOHNSTON	STEPHEN JAMES SAMANTHA VERANIQUE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	5.1	10	Class CB-BEA-B	65005B
4586	BARONE BARONE	PETER MAREE DEBRA	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 043	ANY	5.1	10	Class CB-BEA-B	65109B
4587	SANTOS	HEIDI SONJA	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 043	ANY	25	49	Class CB-BEA-B	65267B
4588	VICENZOTTI VICENZOTTI	DINO MARGARET ANN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 043	ANY	25	49	Class CB-BEA-B	65847B
4589	HUNT HUNT	GEOFFREY WILLIAM JACQUALINE ANN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 043	ANY	5.1	10	Class CB-BEA-B	65861B
4590	ONGHEEN ONGHEEN	GARTH ANTHONY DELMA	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 043	ANY	14	27	Class CB-BEA-B	65892B
4591	CARUANA	CHARLES	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 044	ANY	49	96	Class CB-BEA-B	172138
4592	MAYBERRY MAYBERRY	MICHAEL JON LAUREL EILEEN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 044	ANY	74	143	Class CB-BEA-B	172530
4593	MEIERS MEIERS	PAUL FRANCIS MARY-ANNE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 044	ANY	55	107	Class CB-BEA-B	172579
4594	WALLACE WALLACE	ROBERT BRUCE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 044	ANY	87	169	Class CB-BEA-B	172927

CAROLINA

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4595	BARBERA BARBERA MR FARMS PTY LTD ACN 114 569 265	GIATANO ROBERTO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 044	ANY	144	279	Class CB-BEA-B	173297
4596	SINNOTT	ANTHONY BRADLEY	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 044	ANY	46	90	Class CB-BEA-B	181315
4597	LAWSON	DAVID	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 044	ANY	46	89	Class CB-BEA-B	183128
4598	MARTENS MARTENS MARTENS MARTENS	KEITH EDWARD KAREN RAE ANDREW DALE PAUL AARON	Tenant in Common	1/4 1/4 1/4 1/4	BURNETT ELLIOTT A - ZONE 044	ANY	57	110	Class CB-BEA-B	185492
4599	MARTENS MARTENS MARTENS MARTENS	KEITH EDWARD KAREN RAE ANDREW DALE PAUL AARON	Tenant in Common	1/4 1/4 1/4 1/4	BURNETT ELLIOTT A - ZONE 044	ANY	81	157	Class CB-BEA-B	185493
4600	MANERA	JOHN JOSEPH	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 044	ANY	37	71	Class CB-BEA-B	404754
4601	JILMARL PTY LTD ACN 069 662 504 MANERA (JUNIOR) MANERA	JOHN JOSEPH KIM MAREE	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 044	ANY	75	146	Class CB-BEA-B	404755
4602	JILMARL PTY LTD ACN 069 662 504 MANERA JNR MANERA	JOHN JOSEPH KIM MAREE	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 044	ANY	27	53	Class CB-BEA-B	176106 (upper unit component)

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4603	MAYBERRY MAYBERRY	MICHAEL JON LAUREL EILEEN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 044	ANY	46	89	Class CB-BEA-B	40785B
4604	MANERA MANERA	JOHN JOSEPH TERESA LENA ALICE	Tenant in Common	1/2 1/2 BURNETT	BURNETT ELLIOTT A - ZONE 045	ANY	102	161	Class CB-BEA-B	172122
4605	NIXON	BRADLEY JOHN	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 045	ANY	76	119	Class CB-BEA-B	172290
4606	BERRIE BERRIE	THOMAS JAMES MARCIA FLORENCE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 045	ANY	160	252	Class CB-BEA-B	173330
4607	SHEPHERD SHEPHERD	GORDON PATRICIA MARY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 045	ANY	53	84	Class CB-BEA-B	179949
4608	WILSON WILSON FORD	ROSE-MARY LEE ROSS STEPHEN ROSEMARY BEVERLEY	Tenant in Common	1/3 1/3 BURNETT 1/3	BURNETT ELLIOTT A - ZONE 045	ANY	6.4	10	Class CB-BEA-B	65745B
4609	CLANMONT PTY LTD ACN 010 688 043		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 046	ANY	41	65	Class CB-BEA-B	172046
4610	CARUANA	CHARLES	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 046	ANY	53	83	Class CB-BEA-B	172134
4611	DAVIS DAVIS	RODNEY JAMES RAILEA HELEN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 046	ANY	53	84	Class CB-BEA-B	172175
4612	GRIFFITHS GRIFFITHS	PETER ROBERT SALLY ANN	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 046	ANY	0.6	1	Class CB-BEA-B	179652
4613	LERCH	LAURENCE NEVILLE	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 046	ANY	38	60	Class CB-BEA-B	187915

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4614	SHUTTLEWORTH H SHUTTLEWORTH H	JUSTIN LUKE NICOLE KIMBERLEY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 046	ANY	8.9	14	Class CB-BEA-B	401043
4615	PROPROSE PTY LTD ACN 099 670 532		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 046	ANY	112	176	Class CB-BEA-B	401044
4616	FRITZ FRITZ	GORDON HERBERT ALISON ANN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 046	ANY	55	87	Class CB-BEA-B	408567
4617	MARTENS MARTENS	KEITH EDWARD KAREN RAE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 046	ANY	53	83	Class CB-BEA-B	602804
4618	MEIERS	MICHAEL SHAYNE	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 046	ANY	6.4	10	Class CB-BEA-B	602807
4619	MARTENS MARTENS	KEITH EDWARD KAREN RAE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 046	ANY	15	24	Class CB-BEA-B	40796B
4620	JARVIS JARVIS	JOSEPH WILLIAM JULIE HELENA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 046	ANY	53	84	Class CB-BEA-B	40951B
4621	MCDONALD	JOSEPH PATRICK	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 046	ANY	6.4	10	Class CB-BEA-B	65624B
4622	STANDFAST STANDFAST	TREVOR ALLAN KAYE ELIZABETH	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 046	ANY	6.4	10	Class CB-BEA-B	65660B
4623	SHELLEY	KAREN ELAINE	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 046	ANY	6.4	10	Class CB-BEA-B	65818B

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4624	DIDONE DIDONE DIDONE	GUERINO GIANCARLO RITA ANGELO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 047	ANY	84	132	Class CB-BEA-B	172254
4625	BARBERA BARBERA MR FARMS PTY LTD ACN 114 569 265	GIATANO ROBERTO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 047	ANY	48	76	Class CB-BEA-B	172272
4626	BARAZZA BARAZZA	STEVEN ANTONIO JULIE RUTH	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 047	ANY	48	76	Class CB-BEA-B	181555
4627	CURINO INVESTMENTS PTY LTD ACN 069996863		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 047	ANY	15	24	Class CB-BEA-B	40752B
4628	CURINO INVESTMENTS PTY LTD ACN 069996863		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 047	ANY	28	44	Class CB-BEA-B	40969B
4629	MELROSE MELROSE	TERRY KEVIN STACEY MAREE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 047	ANY	52	82	Class CB-BEA-B	41690B
4630	RANDELL RANDELL	DESMOND MARK DIANA ATHALIE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 047	ANY	62	97	Class CB-BEA-B	41938B
4631	PIZZOFERRATO PIZZOFERRATO	ELVISO MICHELINA GIUSEPPA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 047	ANY	65	102	Class CB-BEA-B	41946B
4632	FRITZ FRITZ	MARK WARREN JUDITH MAREE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 047	ANY	57	90	Class CB-BEA-B	53094B

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4633	HORVATH HORVATH	MAX KONRAD	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 047	ANY	3.8	6	Class CB-BEA-B	65152B
4634	PETERS PETERS MARIA	DEAN CHARLES LORETTA JEAN	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 047	ANY	3.8	6	Class CB-BEA-B	65345B
4635	HODGETTS	NOEL LESLIE	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 048	ANY	80	126	Class CB-BEA-B	172055
4636	CHAPMAN CHAPMAN	ANTHONY CHARLES KATRINA ELSIE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 048	ANY	141	221	Class CB-BEA-B	172059
4637	HAVERS	ELWYN AILSA	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 048	ANY	90	141	Class CB-BEA-B	172065
4638	MANERA MANERA (JUNIOR) MANERA MANERA	JOHN JOSEPH JOHN JOSEPH TERESA LINA ALICE KIM MAREE	Tenant in Common	1/4 1/4 1/4 1/4	BURNETT ELLIOTT A - ZONE 048	ANY	157	247	Class CB-BEA-B	172428
4639	FRITZ FRITZ	GORDON HERBERT ALISON ANN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 048	ANY	150	236	Class CB-BEA-B	172737
4640	CURINO INVESTMENTS PTY LTD ACN 069996863		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 048	ANY	97	153	Class CB-BEA-B	172900

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4641	BARBERA BARBERA MR FARMS PTY LTD ACN 114 569 265	GIATANO ROBERTO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 048	ANY	106	166	Class CB-BEA-B	173284
4642	BARBERA BARBERA MR FARMS PTY LTD ACN 114 569 265	GIATANO ROBERTO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 048	ANY	51	80	Class CB-BEA-B	173334
4643	ASMUS	PHYLLIS ANN	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 048	ANY	77	121	Class CB-BEA-B	173338
4644	BARBERA	MARIA ROSA	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 048	ANY	46	72	Class CB-BEA-B	40180B
4645	MARSHALL	JOANNE ELIZABETH	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 048	ANY	13	20	Class CB-BEA-B	41687B
4646	HORVATH HORVATH	FRIEDRICH JOHANN JOAN MARGARET	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 048	ANY	59	93	Class CB-BEA-B	42477B
4647	SHAXSON SHAXSON	DAVID ANDREW JEANETTE FAY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 048	ANY	18	29	Class CB-BEA-B	42605B
4648	MANERA MANERA	JOHN JOSEPH TERESA LENA ALICE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 048	ANY	74	117	Class CB-BEA-B	53850B
4649	NORRIS NORRIS	RAYMOND GERARD JENNIFER FAY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 048	ANY	29	45	Class CB-BEA-B	53933B
4650	STEWART	TERESA	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 048	ANY	10	15	Class CB-BEA-B	95037B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4651	STEELE	DALE RONALD	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 048	ANY	12	19	Class CB-BEA-B	95040B
4652	BARBERA BARBERA MR FARMS PTY LTD ACN 114 569 265	GIATANO ROBERTO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 048	ANY	13	20	Class CB-BEA-B	95058B
4653	TASKE	SHAWN ROBERT	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 048	ANY	13	20	Class CB-BEA-B	95221B
4654	SEARLE	DELMAY ELIZABETH	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 049	ANY	90	141	Class CB-BEA-B	172101
4655	BARBERA	MARIA ROSA	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 049	ANY	94	147	Class CB-BEA-B	172115
4656	DIDONE DIDONE DIDONE	GUERINO GIANCARLO RITA ANGELO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 047	ANY	96	151	Class CB-BEA-B	173031
4657	DONOVAN DONOVAN	LACHLAN GEOFFREY ANNALEISE ADELE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 049	ANY	157	247	Class CB-BEA-B	176346
4658	HALPIN HALPIN	CHARLES HENRY FREDERICK LUCY JEAN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 049	ANY	116	183	Class CB-BEA-B	405787
4659	PETERSEN	JOHN ANDREW	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 049	ANY	13	20	Class CB-BEA-B	172063 (upper unit component)
4660	CAMMISA	LEONARDA	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 049	ANY	22	34	Class CB-BEA-B	41936B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4661	CURINO FARM HOLDINGS PTY LTD ACN 010335298		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 049	ANY	31	48	Class CB-BEA-B	41945B
4662	PETERSEN	JOHN ANDREW	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 049	ANY	64	100	Class CB-BEA-B	42841B
4663	HALPIN HALPIN	DONALD JOHN ANTONELLA MARIA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 049	ANY	41	65	Class CB-BEA-B	42965B
4664	RANDELL RANDELL	DESMOND MARK DIANA ATHALIE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 049	ANY	55	87	Class CB-BEA-B	53601B
4665	DE PAOLI	DAVID ANGELO	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 050	ANY	64	100	Class CB-BEA-B	172124
4666	GORZA GORZA	ANTONIO	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 050	ANY	38	59	Class CB-BEA-B	172132
4667	CAMPBELL	GRAHAM JOSEPH	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 050	ANY	78	122	Class CB-BEA-B	172244
4668	CAYLEY EMMA CAYLEY	NEVILLE DAVID ELVIRA TERESA	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 050	ANY	120	189	Class CB-BEA-B	172304
4669	MARTENS MARTENS MARTENS MARTENS	KEITH EDWARD KAREN RAE ANDREW DALE PAUL AARON	Tenant in Common	1/4 1/4 1/4 1/4	BURNETT ELLIOTT A - ZONE 050	ANY	144	226	Class CB-BEA-B	172915
4670	HODGETTS	NOEL LESLIE	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 050	ANY	85	134	Class CB-BEA-B	176282

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4671	UNI-FACT PTY LTD ACN 001082891		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 050	ANY	8.3	13	Class CB-BEA-B	177195
4672	STEINHARDT	RONALD CHARLES	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 050	ANY	1.3	2	Class CB-BEA-B	403423
4673	STEINHARDT STEINHARDT GERRY GERRY TRS SUPER CO PTY LTD ACN 140 849 298	KEVIN JOHN LISA MAREE PETER ANDREW JANELLE GAYE	Tenant in Common	1/5 1/5 1/5 1/5	BURNETT ELLIOTT A - ZONE 050	ANY	5.7	9	Class CB-BEA-B	403424
4674	FARMFRESH KITCHEN PTY LTD ACN 011054943		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 050	ANY	4.5	7	Class CB-BEA-B	403425
4675	BARAZZA BARAZZA	CORRADO GIULIANA	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 050	ANY	13	20	Class CB-BEA-B	408669
4676	BARAZZA BARAZZA	CORRADO GIULIANA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 050	ANY	2.5	4	Class CB-BEA-B	408670
4677	BARAZZA BARAZZA	CORRADO GIULIANA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 050	ANY	13	20	Class CB-BEA-B	408671
4678	BARAZZA BARAZZA	CORRADO GIULIANA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 050	ANY	10	16	Class CB-BEA-B	408672
4679	MELVIN MELVIN	WILLIAM JOHN JANET VIVIA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 050	ANY	21	33	Class CB-BEA-B	41307B

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Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4680	BARBERA BARBERA MR FARMS PTY LTD ACN 114 569 265	GIATANO ROBERTO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 050	ANY	22	34	Class CB-BEA-B	41308B
4681	DA MAREN DA MAREN	LUIGI ELISA	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 050	ANY	23	36	Class CB-BEA-B	41319B
4682	WALK WALK	GARRY ROBERT SANDRA ROSEMAY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 050	ANY	22	35	Class CB-BEA-B	41326B
4683	HANNAH HANNAH HENKE	DESMOND VICTOR HELEN ELIZABETH	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 050	ANY	13	20	Class CB-BEA-B	42330B
4684	HOPPE BUNYAN	SEAN EDWARD TANIA LORRAINNE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 050	ANY	15	24	Class CB-BEA-B	95535B
4685	MERRYN CANNIFORD	BRUCE WILLIAM	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 050	ANY	0.6	1	Class CB-BEA-B	95547B
4686	M & E HYDRO TOMATO GROWERS (QLD) PTY LTD ACN 109768774		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 051	ANY	32	50	Class CB-BEA-B	171818
4687	DE PAOLI	JOHN SABINO	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 051	ANY	64	100	Class CB-BEA-B	172072
4688	TARGATO	FERNANDO GIORGIO	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 051	ANY	97	153	Class CB-BEA-B	172162

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4689	THE ALLOWAY COUNTRY CLUB ABN 010 007 584		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 051	ANY	4.5	7	Class CB-BEA-B	172199
4690	BARBERA BARBERA MR FARMS PTY LTD ACN 114 569 265	GIATANO ROBERTO	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 051	ANY	71	112	Class CB-BEA-B	173433
4691	BARAZZA BARAZZA	LINO VIRGINIA	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 051	ANY	18	29	Class CB-BEA-B	174881
4692	BARAZZA BARAZZA	TRINA MAREE ROBERTO GIUSEPPE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 051	ANY	18	28	Class CB-BEA-B	174882
4693	WILKINSON	GLENDA JULIEANNE	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 051	ANY	7	11	Class CB-BEA-B	176646
4694	GRIFFIN GRIFFIN	TRENT WILLIAM SUSANNE TERESA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 051	ANY	7	11	Class CB-BEA-B	176647
4695	HUSSEY HUSSEY	GEOFFREY PETER ROSLYN FAY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 051	ANY	16	25	Class CB-BEA-B	176648
4696	HUSSEY HUSSEY	GEOFFREY PETER ROSLYN FAY	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 051	ANY	7	11	Class CB-BEA-B	176649
4697	MARTENS MARTENS	RONALD PAUL MICHAEL ROBERT	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 051	ANY	8.9	14	Class CB-BEA-B	176650
4698	MARTENS MARTENS	RONALD PAUL MICHAEL ROBERT	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 051	ANY	66	103	Class CB-BEA-B	176955

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4699	LOBEGEIER LOBEGEIER	PETER IAN CATHRYN ANNE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 051	ANY	79	124	Class CB-BEA-B	177026
4700	CAYLEY NOMINEES PTY LTD ACN 009 934 838		Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 051	ANY	290	456	Class CB-BEA-B	405727
4701	CAYLEY CAYLEY	DEAN NEVILLE SILVANA MAREE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 051	ANY	3.2	5	Class CB-BEA-B	405728
4702	WILKINSON	GLENDA JULIEANNE	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 051	ANY	5.7	9	Class CB-BEA-B	95679B
4703	BERTOLLA BERTOLLA	ORIANO LUBIANO	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 052	ANY	109	172	Class CB-BEA-B	172100
4704	SEARLE	DELMAY ELIZABETH	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 052	ANY	103	162	Class CB-BEA-B	172242
4705	WALKER	CLEMENT ALEXANDER CHARLES	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 052	ANY	243	382	Class CB-BEA-B	173461
4706	HOWLETT	GEORGE LESLIE	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 052	ANY	57	89	Class CB-BEA-B	40182B
4707	BUNDABERG SUGAR LTD ABN 077 102 526		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 052	ANY	64	100	Class CB-BEA-B	40183B
4708	PIPIA PIPIA PIPIA	LUCA ROBERTO STEVEN	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 052	ANY	34	53	Class CB-BEA-B	41948B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4709	YAAMBA ABORIGINAL & TORRES STRAIT ISLANDERS CORP FOR MEN		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 052	ANY	3.2	5	Class CB-BEA-B	65314B
4710	BRILLANTE	MICHELE	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 052	ANY	43	68	Class CB-BEA-B	95545B
4711	SANTALUCIA	GIOVANNI	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 053	ANY	98	140	Class CB-BEA-B	172287
4712	SANTALUCIA SANTALUCIA	GIOVANNI PATRICIA NORMA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 053	ANY	42	60	Class CB-BEA-B	405616
4713	CURRAN CURRAN	STANLEY JAMES HELEN ALVENA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 053	ANY	12	17	Class CB-BEA-B	41576B
4714	WILSON	DAVID EDGAR	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 053	ANY	23	32	Class CB-BEA-B	41578B
4765	SANTALUCIA	GIOVANNI	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 053	ANY	39	56	Class CB-BEA-B	40937B
4768	ENDEAVOUR FOUNDATION		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 053	ANY	8.4	12	Class CB-BEA-B	65951B
4716	FINGER FINGER	NEIL DOUGLAS NARELLE EVELYN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 054	ANY	83	118	Class CB-BEA-B	172120
4717	BONAVENTURA BONAVENTURA BONAVENTURA	GIUSEPPE PALMMINA GIOVANNI MICHAEL	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 054	ANY	77	109	Class CB-BEA-B	172236

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4718	SANTALUCIA	GIOVANNI	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 054	ANY	0.7	1	Class CB-BEA-B	172286
4719	FORMOSA FORMOSA FORMOSA	PAUL SAMUEL GEORGE	Tenant in Common	1/3 1/3 1/3	BURNETT ELLIOTT A - ZONE 054	ANY	205	292	Class CB-BEA-B	172490
4720	VICENZOTTI FRANCES VICENZOTTI	PIETRO	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 054	ANY	39	56	Class CB-BEA-B	173435
4721	SINNOTT ANGELA	RAYMOND JOSEPH	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 054	ANY	65	93	Class CB-BEA-B	179242
4722	MANERA MANERA	JOHN JOSEPH TERESA LINA ALICE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 054	ANY	75	107	Class CB-BEA-B	179432
4723	MAYBERRY MAYBERRY	MICHAEL JON LAUREL EILEEN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 054	ANY	104	148	Class CB-BEA-B	179433
4724	GATT GATT	DANIEL GEORGE VICTORIA	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 054	ANY	58	82	Class CB-BEA-B	190570
4725	HOLLIS HOLLIS	DENNIS NEWMAN CHRISTINE JOY	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 054	ANY	2.8	4	Class CB-BEA-B	190571
4726	BONUS BONUS	ANTHONY JAMES DONNA LOUISE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 054	ANY	77	109	Class CB-BEA-B	40026B
4727	FORMOSA FORMOSA FORMOSA	PAUL SAMUEL GEORGE	Tenant in Common	1/3 1/3 BURNETT 1/3	BURNETT ELLIOTT A - ZONE 054	ANY	56	80	Class CB-BEA-B	40040B
4728	G SANTALUCIA INVESTMENT PTY LTD ACN 103 905 095	FRANCES	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 054	ANY	4.9	7	Class CB-BEA-B	41276B

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4729	BERG LEE	MICHAEL JAMES CHRISTINE JANELLE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 054	ANY	2.1	3	Class CB-BEA-B	42485B
4730	READ	KOEN DUDLEY	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 054	ANY	20	28	Class CB-BEA-B	53421B
4731	GOLLSHEWSKY	DARREN CRAIG	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 054	ANY	7	10	Class CB-BEA-B	65535B
4732	MOLLER	NEALE LINDSAY	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 054	ANY	1.4	2	Class CB-BEA-B	65728B
4733	CHAPMAN CHAPMAN	CHRISTOPHER FRANCIS NICOLA JANET	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 055	ANY	96	136	Class CB-BEA-B	172021
4734	MARTENS MARTENS MARTENS MARTENS	KEITH EDWARD KAREN RAE ANDREW DALE PAUL AARON	Tenant in Common	1/4 1/4 1/4 1/4	BURNETT ELLIOTT A - ZONE 055	ANY	101	144	Class CB-BEA-B	172165
4735	JENSEN FAMILY CO PTY LTD ACN 057779914		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 055	ANY	88	125	Class CB-BEA-B	184519
4736	CITTADELLA CITTADELLA	CESARE LORETTA	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 055	ANY	2.1	3	Class CB-BEA-B	185202
4737	FRITZ	LAURENCE JAMES	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 055	ANY	163	232	Class CB-BEA-B	406334
4738	CHAPMAN CHAPMAN	ANTHONY CHARLES KATRINA ELSIE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 055	ANY	204	290	Class CB-BEA-B	409406
4739	CHAPMAN CHAPMAN	CHRISTOPHER FRANCIS NICOLA JANET	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 055	ANY	104	148	Class CB-BEA-B	409408

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4740	CHAPMAN CHAPMAN	ANTHONY CHARLES KATRINA ELSIE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 055	ANY	134	191	Class CB-BEA-B	40283B
4741	M & J DICK PTY LTD ACN 059 345 881		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 055	ANY	60	85	Class CB-BEA-B	40290B
4742	MCMB INVESTMENTS PTY LTD ACN 124 390 021		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 056	ANY	0.7	1	Class CB-BEA-B	172170
4743	POULSEN POULSEN	BRUCE ROBERT MATTHEW DESLEIGH ANN	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 056	ANY	2.8	4	Class CB-BEA-B	189687
4744	PLUNKETT	MARGARET ELLEN	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 056	ANY	4.9	7	Class CB-BEA-B	40737B
4745	CHAPMAN	CHRISTOPHER FRANCIS	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 056	ANY	13	19	Class CB-BEA-B	95377B
4746	VICENZOTTI VICENZOTTI	PIETRO	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 056	ANY	31	44	Class CB-BEA-B	95721B
4747	ACROSS THE WAVES ANGELA SPORTS CLUB INC.		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	41	58	Class CB-BEA-B	173010
4748	GORDON	MYRTLE AGNES	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	37	53	Class CB-BEA-B	173349
4749	PALMER	LORRAINE	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	12	17	Class CB-BEA-B	173704
4750	SANTALUCIA SANTALUCIA	ANDREW JOHN NICOLE MAREE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 057	ANY	9.1	13	Class CB-BEA-B	179571

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4751	SANTALUCIA SANTALUCIA	ANDREW JOHN NICOLE MAREE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 057	ANY	9.1	13	Class CB-BEA-B	179572
4752	SANTALUCIA SANTALUCIA	ANDREW JOHN NICOLE MAREE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 057	ANY	9.1	13	Class CB-BEA-B	179573
4753	AD DENTON HOLDINGS PTY LTD ACN 125 983 879 AD DENTON SUPER PTY LTD ACN 131 491 266		Tenant in Common	1/2 BURNETT 1/2	BURNETT ELLIOTT A - ZONE 057	ANY	1.4	2	Class CB-BEA-B	180714
4754	PF & MA MEIERS PTY LTD ACN 113915889		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	4.2	6	Class CB-BEA-B	180715
4755	ALLOWAY MACADAMIA PTY LTD		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	7	10	Class CB-BEA-B	40198B
4756	COBB	SHANE LESLIE	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	7	10	Class CB-BEA-B	40458B
4757	FICHERA	JOHN ANTHONY	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	15	22	Class CB-BEA-B	40469B

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4758	AEC ENGINEERING PTY LTD ACN 009 553 708		Tenant in Common	1/3	BURNETT ELLIOTT A - ZONE 057	ANY	10	14	Class CB-BEA-B	40482B
	AUSTRALIAN NATIONAL HOMES PTY LTD ACN 010 903 189			1/3						
	MINDER INVESTMENTS PTY LTD ACN 120 556 103			1/3						
4759	HARTE HARTE	CHRISTOPHER BRIAN JANEEN ALISON	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 057	ANY	4.2	6	Class CB-BEA-B	40497B
4760	SMITH	BRENTON RODERICK	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	7	10	Class CB-BEA-B	40700B
4761	SULLIVAN CASTLES	RITA ANTIONETTE TINA MARIA	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 057	ANY	0.7	1	Class CB-BEA-B	40702B
4762	BURNETT DEVELOPMENT S PTY LTD ACN 009799311		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	10	14	Class CB-BEA-B	40741B
4763	SMITH SMITH	RICHARD WILLIAM RITA DAPHNE	Tenant in Common	1/2 1/2	BURNETT ELLIOTT A - ZONE 057	ANY	6.3	9	Class CB-BEA-B	40898B
4764	THE PUBLIC TRUSTEE OF QUEENSLAND		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	3.5	5	Class CB-BEA-B	40908B
4766	EMDEX PTY LTD ACN 010 643 624		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 057	ANY	21	30	Class CB-BEA-B	42856B

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4767	BARTHOLDT BARTHOLDT	RONALD JAMES ANN MARY	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 057	ANY	4.2	6	Class CB-BEA-B	53106B
4769	AKERS AKERS	DEAN ASHLEY ROSSLYN JUDITH	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 057	ANY	18	26	Class CB-BEA-B	95452B
4770	DE PAOLI	DAVID ANGELO	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 058	ANY	14	15	Class CB-BEA-B	172176
4771	TREBBIN TREBBIN	NEVILLE HERMAN ELSIE BLANCHE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 058	ANY	51	56	Class CB-BEA-B	172207
4772	JOHNSON JOHNSON JOHNSON JOHNSON	NOEL ANTHONY SANDRA MICHELE GUSTAV NOEL MARGARET OLIVE	Tenant in Common	1/4 1/4 1/4 1/4 BURNETT	BURNETT ELLIOTT A - ZONE 058	ANY	130	142	Class CB-BEA-B	172910
4773	QUEENSLAND FARM MANAGEMENT PTY LTD ACN 120150469		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 058	ANY	1.8	2	Class CB-BEA-B	110080B
4774	MARIN	RITA AGNESE	Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 058	ANY	4.6	5	Class CB-BEA-B	40185B
4775	ALLOWAY MACADAMIA PTY LTD		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 058	ANY	1.8	2	Class CB-BEA-B	40489B
4776	ALLOWAY MACADAMIA PTY LTD ACN 097 804 549		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 058	ANY	9.1	10	Class CB-BEA-B	40491B

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4777	DAVIS DAVIS	RODNEY JAMES RAILEA HELEN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 058	ANY	64	70	Class CB-BEA-B	40521B
4778	ZUNKER ZUNKER	DAVID MARK GLENYS DIANE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 058	ANY	9.1	10	Class CB-BEA-B	40531B
4779	ZUNKER ZUNKER	GRAHAM ROBERT HAZEL MARIE	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 058	ANY	11	12	Class CB-BEA-B	40717B
4780	BUNDABERG SUGAR LTD ACN 077102526		Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 058	ANY	14	15	Class CB-BEA-B	40722B
4781	BEDFORD CLARK	BRIAN LESLIE NOEL FREDRICK	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 058	ANY	11	12	Class CB-BEA-B	53828B
4782	TREBBIN	PETER JOHN	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 058	ANY	36	39	Class CB-BEA-B	95223B
4783	BUNDABERG SUGAR LTD		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 059	ANY	67	73	Class CB-BEA-B	178271
4784	SARATOGA HOLDINGS PTY LTD ACN 000 636 859		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 059	ANY	255	280	Class CB-BEA-B	178517
4785	ISIS CENTRAL SUGAR MILL COMPANY LIMITED ABN 009 657 078		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 059	ANY	50	55	Class CB-BEA-B	40533B
4786	MARIN MARIN	LIVIO GINO JANE LYNNETTE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 059	ANY	34	37	Class CB-BEA-B	53481B
4787	RUDD RUDD	MARTIN ANDREW LISA SAMANTHA	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 059	ANY	18	20	Class CB-BEA-B	95271B

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4788	GORDON GORDON	IAN ERIC VILMA SORONIO	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 059	ANY	9.1	10	Class CB-BEA-B	95428B
4789	BURTON	SHARON WENDY	Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 059	ANY	9.1	10	Class CB-BEA-B	95517B
4790	BUNDABERG SUGAR LTD ACN 077102526		Sole Proprietor	1	BURNETT ELLIOTT A - ZONE 060	ANY	31	34	Class CB-BEA-B	181120
4791	FULCHER FULCHER	KERYN EILEEN	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 060	ANY	36	40	Class CB-BEA-B	183154
4792	BARETTA RAYMOND BARETTA	ROBERTO ANTONINA	Tenant in Common	1/2 1/2 BURNETT	ELLIOTT A - ZONE 060	ANY	22	24	Class CB-BEA-B	40151B
4793	BUNDABERG SUGAR LTD ACN 077102526		Sole Proprietor	1 BURNETT	BURNETT ELLIOTT A - ZONE 060	ANY	5.5	6	Class CB-BEA-B	40709B
4794	BORG BORG	JOHN DAVID CONSTANCE	Tenant in Common	1/2 1/2	ELLIOTT A - ZONE 060	ANY	11	12	Class CB-BEA-B	40731B
4795	ROSSETTO ROSSETTO ROSSETTO	MARIO GUERINA GRAZIELLA GIANNI MARIO	Tenant in Common	1/3 1/3 BURNETT 1/3	ELLIOTT GREGORY A - ZONE 063	ANY	36	36	Class CB-EGA-B	172734
4796	MARCON PROPERTIES PTY LTD ACN 076 949 276		Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 063	ANY	93	93	Class CB-EGA-B	409434
4797	MARCON	CLINTON JON	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 063	ANY	1	1	Class CB-EGA-B	409435

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4798	DEWEY	BRADLEY JAMES	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 063	ANY	8	8	Class CB-EGA-B	110187B
4799	WALKER	DENNIS ALFRED	Tenant in Common	1/2	ELLIOTT GREGORY A - ZONE 063	ANY	37	37	Class CB-EGA-B	41422B
	WALKER	JOY HELEN		1/2						
4800	WRENCH	PETER CRAIG	Tenant in Common	1/2	ELLIOTT GREGORY A - ZONE 063	ANY	3.5	3.5	Class CB-EGA-B	41423B
	NEWLOVE	PENELOPE LAVINA		1/2						
4801	MARCON	LUIGINO	Tenant in Common	1/2	ELLIOTT GREGORY A - ZONE 063	ANY	28	28	Class CB-EGA-B	53735B
	MARCON	JANELLE MARGARET		1/2						
4802	NELSON	BRADLEY MARTYN	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 063	ANY	31	31	Class CB-EGA-B	65190B
4803	SYMONS	LEONARD DAVID	Tenant in Common	1/2	ELLIOTT GREGORY A - ZONE 063	ANY	10	10	Class CB-EGA-B	95055B
	SYMONS	JOSEPHINE HELEN		1/2						
4804	HOWLETT	ANDREW JOHN	Tenant in Common	1/3	ELLIOTT GREGORY A - ZONE 064	ANY	101	101	Class CB-EGA-B	179497
	HOWLETT	SANDRA JOYCE		1/3						
	HOWLETT	GLENN ANDREW		1/3						
4805	NASH	ALLAN JAMES STEPHEN	Tenant in Common	1/2	ELLIOTT GREGORY A - ZONE 064	ANY	154	154	Class CB-EGA-B	183431
	SCIANDRA	ANNA MARIA		1/2						
4806	PHAM	QUANG HANH	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 064	ANY	35	35	Class CB-EGA-B	183432

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4807	DE ZOTTI	ADAMO DORINO	Tenant in Common	1/2	ELLIOTT GREGORY A - ZONE 064	ANY	88	88	Class CB-EGA-B	183433
	DE ZOTTI	JOANN RITA		1/2						
4808	EDWARDS	ADRIAN JAMES	Tenant in Common	1/2	ELLIOTT GREGORY A - ZONE 064	ANY	42	42	Class CB-EGA-B	187868
	EDWARDS	CINDY LEE		1/2						
4809	RELMAY PTY LTD ACN 010 644 032		Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 064	ANY	170	170	Class CB-EGA-B	187869
4810	HAMBRECHT	BRETT ALAN	Tenant in Common	1/2	ELLIOTT GREGORY A - ZONE 064	ANY	10	10	Class CB-EGA-B	110227B
	HAMBRECHT	JUDITH ELIZABETH		1/2						
4811	CATERER	NAOMI MAREE	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 064	ANY	16	16	Class CB-EGA-B	53387B
4812	ALF CHAVE (BUNDABERG) PTY LTD ACN 009 738 041		Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 064	ANY	7	7	Class CB-EGA-B	53819B
4813	BLAIR	GARY FRANCIS	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 064	ANY	4	4	Class CB-EGA-B	65071B
4814	MCSHANE	BARBARA ANN	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 064	ANY	8	8	Class CB-EGA-B	65157B1
4815	BURNETT YOUTH LEARNING CENTRE LTD ACN 118797229		Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 064	ANY	15	15	Class CB-EGA-B	65597B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4816	MEARS MEARS	BARRY JOHN GAIL MARGARET	Tenant in Common	1/2 1/2	ELLIOTT GREGORY A - ZONE 064	ANY	10	10	Class CB-EGA-B	65970B
4817	GORZA GORZA GORZA	JOHN ROBERT SANDRO MANUELE TUNDRA DIANA	Tenant in Common	1/3 1/3 1/3	ELLIOTT GREGORY A - ZONE 064	ANY	61	61	Class CB-EGA-B	95061B
4818	CARUSO CARUSO	ROSARIA IMMACOLATA	Tenant in Common	1/2 1/2	ELLIOTT GREGORY A - ZONE 064	ANY	37	37	Class CB-EGA-B	95549B
4819	GIOVANNI SANTALUCIA	GIOVANNI	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 064	ANY	22	22	Class CB-EGA-B	95633B
4820	ZAINA ZAINA SNAPPFRESH AUSTRALIA PTY LTD ACN 072 198 317	MAURIZIO EDDY PASQUALA	Tenant in Common	1/3 1/3 1/3	ELLIOTT GREGORY A - ZONE 065	ANY	190	190	Class CB-EGA-B	174635 (upper unit component)
4821	UCCISELLA UCCISELLA UCCISELLAGUISEPPE	RINA LUIGIA DENNIS ANTHONY	Tenant in Common	1/3 1/3 1/3	ELLIOTT GREGORY A - ZONE 065	ANY	68	68	Class CB-EGA-B	53498B
4822	FLEWELL-SMITH FLEWELL-SMITH	BERNARD DAVID JANETTE SUSAN	Tenant in Common	1/2 1/2	ELLIOTT GREGORY A - ZONE 065	ANY	109	109	Class CB-EGA-B	65370B
4823	READ LUPTON	LUCAS BRYAN KATE BRONWYN	Tenant in Common	1/2 1/2	ELLIOTT GREGORY A - ZONE 065	ANY	13	13	Class CB-EGA-B	95056B

Water allocation number	Family name/ company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4824	SANTALUCIA	GIOVANNI	Sole Proprietor	1	ELLIOTT GREGORY A - ZONE 068	ANY	78	92	Class CB-EGA-B	65385B

Table 2: Details of water allocations in unit 2²

Water allocation number	Family name/company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4170	BUNDABERG REGIONAL COUNCIL ABN 72427835198		Sole Proprietor	1	FAIRYMEAD A - ZONE 086	ANY	734	734	Class CB-FMA-A	65679B
4171	RAYNER RAYNER	ROBERT JAMES PAMELA KAREN	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 080	ANY	159	272	Class CB-FMA-B	173835
4172	GLASS	WARREN JEFFREY	Sole Proprietor	1	FAIRYMEAD A - ZONE 080	ANY	68	116	Class CB-FMA-B	603117
4173	GLASS	WARREN JEFFREY	Sole Proprietor	1	FAIRYMEAD A - ZONE 080	ANY	121	207	Class CB-FMA-B	603118
4174	CLANMONT PTY LTD ACN 010 688 043		Sole Proprietor	1	FAIRYMEAD A - ZONE 080	ANY	44	76	Class CB-FMA-B	95446B
4175	BROWN BROWN	REUBEN LLOYD BRENDA MARY ANNE	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 080	ANY	63	108	Class CB-FMA-B	95592B
4176	SCOTT SCOTT	LEON CLINTON PATRICIA JANE	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 081	ANY	152	260	Class CB-FMA-B	406207
4177	GALEA	MARY TERRESA	Sole Proprietor	1	FAIRYMEAD A - ZONE 081	ANY	85	146	Class CB-FMA-B	41751B
4178	CHANGING TIDES PTY LTD ACN 123 726 018		Sole Proprietor	1	FAIRYMEAD A - ZONE 081	ANY	102	175	Class CB-FMA-B	41753B

² Details correct as at 15 November 2010. Any changes to water entitlements after this date and up until commencement of the plan will be recorded on the Water Allocations Register.

Water allocation number	Family name/company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4179	HOOIJER HOOIJER	BRAND JOHANNA ALETTE	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 081	ANY	76	130	Class CB-FMA-B	41760B
4181	DAVEY DAVEY	CHRISTOPHER PAUL BRUCE LESTER	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 084	ANY	148	221	Class CB-FMA-B	173346
4182	ZUNKER ZUNKER	DARREN JOHN LINDA MARY	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 084	ANY	78	117	Class CB-FMA-B	174087 (lower unit component)
4183	ZUNKER ZUNKER	DARREN JOHN LINDA MARY	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 084	ANY	63	95	Class CB-FMA-B	179270 (lower unit component)
4184	BEER BEER	LLOYD MICHAEL JANET MAY	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 084	ANY	35	52	Class CB-FMA-B	41290B
4185	PRICHARD PRICHARD	KERRY DOUGLAS RITA CLARE	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 084	ANY	132	197	Class CB-FMA-B	42785B
4186	3D FARM PTY LTD ACN 073 589 198		Sole Proprietor	1	FAIRYMEAD A - ZONE 084	ANY	79	118	Class CB-FMA-B	53543B
4187	COCCO COCCO	GALLIANO ADRIANNA SYLVIA	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 085	ANY	47	70	Class CB-FMA-B	408250
4188	COCCO COCCO	GALLIANO ADRIANNA SYLVIA	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 085	ANY	26	39	Class CB-FMA-B	408251
4189	DEPTMOUTH PTY LTD ACN 010 334 504		Sole Proprietor	1	FAIRYMEAD A - ZONE 085	ANY	6	9	Class CB-FMA-B	408252

Water allocation number	Family name/company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4190	TAPIOLAS TAPIOLAS	JOAQUIN FRANCISCO VIOLET ELLEN	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 085	ANY	78	117	Class CB-FMA-B	65343B
4191	KELLY	GRAEME DARCY	Sole Proprietor	1	FAIRYMEAD A - ZONE 086	ANY	4	6	Class CB-FMA-B	40111B
4192	THE STATE OF QUEENSLAND (REPRESENTED BY THE DEPARTMENT OF EMPLOYMENT, ECONOMIC DEVELOPMENT AND INNOVATION)		Sole Proprietor	1	FAIRYMEAD A - ZONE 086	ANY	3.3	5	Class CB-FMA-B	41586B
4193	PIPER PIPER	BRADLEY JAMES MARK GEOFFREY	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 087	ANY	111	166	Class CB-FMA-B	173688
4194	MCPHERSON MCPHERSON	CHRISTINA LOUISE ANDREW BRUCE	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 087	ANY	89	133	Class CB-FMA-B	172431 (lower unit component)
4195	JOHNSON JOHNSON	RAY JUNE FRANCES	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 087	ANY	64	96	Class CB-FMA-B	40612B
4196	RICHARDSON	ROBIN DAVID	Sole Proprietor	1	FAIRYMEAD A - ZONE 087	ANY	4	6	Class CB-FMA-B	41252B
4197	PIPER PIPER	BRADLEY JAMES MARK GEOFFREY	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 087	ANY	78	117	Class CB-FMA-B	53541B
4198	JOHNSON	MARK JOHN	Sole Proprietor	1	FAIRYMEAD A - ZONE 087	ANY	66	99	Class CB-FMA-B	65059B

Water allocation number	Family name/company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4550	HARRISON REHBEIN	KATE ANNE GREGORY ROSS	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 087	ANY	38	57	Class CB-FMA-B	407575
4199	SCOTT	PATRICIA JANE	Sole Proprietor	1	FAIRYMEAD A - ZONE 088	ANY	33	50	Class CB-FMA-B	404897
4200	MAYBERRY MAYBERRY	MICHAEL JON LAUREL EILEEN	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 088	ANY	53	80	Class CB-FMA-B	40254B
4201	PRICHARD BROS PTY LTD ACN 070 087 704		Sole Proprietor	1	FAIRYMEAD A - ZONE 088	ANY	72	108	Class CB-FMA-B	41270B
4202	JIGSGLEN PTY LTD ACN 010 745 990		Sole Proprietor	1	FAIRYMEAD A - ZONE 088	ANY	20	30	Class CB-FMA-B	41293B
4203	BURNETT VET PTY LTD ACN 076 357 492		Sole Proprietor	1	FAIRYMEAD A - ZONE 088	ANY	67	100	Class CB-FMA-B	53535B
4204	HARRIS HARRIS	KEVIN JOHN PAMELA JUNE	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 088	ANY	6.7	10	Class CB-FMA-B	53996B
4715	TASKE TASKE	ROBERT ERIC EVELYN MAY	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 088	ANY	73	109	Class CB-FMA-B	171944
4205	JILMARL PTY LTD ACN 069 662 504 MANERA JNR MANERA	JOHN JOSEPH KIM MAREE	Tenant in Common	1/3 1/3 1/3	FAIRYMEAD A - ZONE 089	ANY	25	38	Class CB-FMA-B	176106 (lower unit component)

Water allocation number	Family name/company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4206	MARTENS	KEITH EDWARD	Tenant in Common	1/4	FAIRYMEAD A - ZONE 089	ANY	29	44	Class CB-FMA-B	40758B
	MARTENS	KAREN RAE		1/4						
	MARTENS	ANDREW DALE		1/4						
	MARTENS	PAUL AARON		1/4						
4207	MALLET	STEPHEN JOSEPH	Tenant in Common	1/2	FAIRYMEAD A - ZONE 089	ANY	66	99	Class CB-FMA-B	41118B
	MALLET	GAYLE CHRISTINE		1/2						
4208	GRIFFITHS	PETER ROBERT	Tenant in Common	1/2	FAIRYMEAD A - ZONE 090	ANY	50	57	Class CB-FMA-B	171732
	GRIFFITHS	SALLY ANN		1/2						
4209	LERCH	LAURENCE NEVILLE	Sole Proprietor	1	FAIRYMEAD A - ZONE 090	ANY	44	50	Class CB-FMA-B	402920
4210	BOWDEN	GEOFFREY ROBERT	Tenant in Common	1/2	FAIRYMEAD A - ZONE 090	ANY	44	50	Class CB-FMA-B	402921
	BOWDEN	STACEY LEIGH		1/2						
4211	ALEXANDER	JENNIFER LEE	Sole Proprietor	1	FAIRYMEAD A - ZONE 090	ANY	44	50	Class CB-FMA-B	402922
4212	DALTON	PATRICK	Tenant in Common	1/2	FAIRYMEAD A - ZONE 090	ANY	115	131	Class CB-FMA-B	40952B
	DALTON	MARY ALMA		1/2						
4213	CEFAI	BENITA	Tenant in Common	1/2	FAIRYMEAD A - ZONE 090	ANY	26	29	Class CB-FMA-B	65590B
	CEFAI	JOSEPH MICHAEL FELIX		1/2						
4214	KROPP	JOHN WALTER	Sole Proprietor	1	FAIRYMEAD A - ZONE 091	ANY	100	113	Class CB-FMA-B	172206

Water allocation number	Family name/company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4215	PIPIA	GIOVANNI GIUSEPPE	Tenant in Common	1/3	FAIRYMEAD A - ZONE 091	ANY	88	100	Class CB-FMA-B	175326
	PIPIA	LUCA		1/3						
	PIPIA	ROBERTO		1/3						
4216	PETERSEN	JOHN ANDREW	Sole Proprietor	1	FAIRYMEAD A - ZONE 091	ANY	159	180	Class CB-FMA-B	172063 (lower unit component)
4217	DURRE	LESTER NEAL	Sole Proprietor	1	FAIRYMEAD A - ZONE 091	ANY	52	59	Class CB-FMA-B	41816B
4218	ANDREOLI	FRANK UMBERTO	Tenant in Common	1/3	FAIRYMEAD A - ZONE 091	ANY	41	47	Class CB-FMA-B	42656B
	ANDREOLI			1/3						
	JOHNSON	EMMA KATE		1/3						
4219	CURINO	LUIGI	Tenant in Common	1/2	FAIRYMEAD A - ZONE 091	ANY	42	48	Class CB-FMA-B	42854B
	CURINO DAVID	KERRY JEAN		1/2						
4220	ROBERTS	VIVIAN FERGUSON	Tenant in Common	1/2	FAIRYMEAD A - ZONE 091	ANY	8.8	10	Class CB-FMA-B	53692B
	ROBERTS	ELIZABETH MARGARET		1/2						
4221	HORVATH	MAX KONRAD	Tenant in Common	1/2	FAIRYMEAD A - ZONE 091	ANY	86	98	Class CB-FMA-B	53880B
	HORVATH			1/2						
4222	GREEN	TREVOR DESMOND	Sole Proprietor	1	FAIRYMEAD A - ZONE 091	ANY	89	101	Class CB-FMA-B	95781B
4223	RELMAY PTY LTD ACN 010 644 032	MARIA	Sole Proprietor	1	FAIRYMEAD A - ZONE 092	ANY	960	1107	Class CB-FMA-B	177096

Water allocation number	Family name/company	Given names	Tenancy type	Share of water allocation	Location	Purpose	Nominal volume	Volumetric limit (ML/water year)	Water allocation group	Converting authorisation
4224	DES LOESKOW PLANTATION PTY LTD ACN 056 353 514		Sole Proprietor	1	FAIRYMEAD A - ZONE 094	ANY	943	1246	Class CB-FMA-B	173128
4225	ZAINA ZAINA SNAPFRESH AUSTRALIA PTY LTD ACN 072 198 317	MAURIZIO EDDY PASQUALA	Tenant in Common	1/3 1/3 1/3	FAIRYMEAD A - ZONE 094	ANY	33	43	Class CB-FMA-B	174635 (lower unit component)
4226	PEARCE PEARCE	LINDSEY PHILLIP KAREN ANN	Tenant in Common	1/2 1/2	FAIRYMEAD A - ZONE 094	ANY	11	15	Class CB-FMA-B	65942B
4227	SANTALUCIA	GIOVANNI	Sole Proprietor	1	FAIRYMEAD A - ZONE 095	ANY	314	415	Class CB-FMA-B	173055
4228	EMDEX PTY LTD ACN 010 643 624		Sole Proprietor	1	FAIRYMEAD A - ZONE 095	ANY	930	1230	Class CB-FMA-B	178742

Attachment 6.1B Coastal Burnett Groundwater Management Area: Water Allocation Water Sharing Rules

1 Scope of attachment 6.1B

This attachment details the water sharing rules for water allocations to take unsupplemented groundwater in the Coastal Burnett GMA.

2 Water year

The water year is from 1 July in any year until 30 June in the year following.

3 Announced entitlement

1. The announced entitlement (AE) is the proportion of a water allocation's annual volumetric limit that an allocation holder is entitled to extract for a given water year.
2. The chief executive must:
 - a) calculate and set the announced entitlement for each zone group to take effect on the first day of each water year in accordance with section 3.1;
 - b) make a recalculation of the announced entitlement for a zone group quarterly, following a significant recharge event or following the adjustment of a seawater intrusion index to 1, in accordance with section 3.1.3.;
 - c) reset the announced entitlement for a zone group if a recalculation indicates that the set announced entitlement would increase by five or more percentage points;
 - d) apply the announced entitlement set for a zone group, to all zones within that zone group; and
 - e) publish details of the set announced entitlement for each zone in the Coastal Burnett GMA within five business days of setting or resetting an announced entitlement.
3. In this section:
publish details refers to updating the department's website at www.dnrm.qld.gov.au website with announced entitlement changes.

3.1 Announced entitlement calculation

3.1.1 Preferential access water allocation groups

1. This section applies to water allocations in water allocation groups CB-KBA-A, CB-BEA-A and CB-FMA-A.

2. For each zone group mentioned in Attachment 2.3 Table 1 that contains zone(s) with preferential access water allocations the announced entitlement must be calculated using equation 1.

Equation 1:

$$AE_{\text{pref}} = 100\% * SII_{\text{pref}}$$

Where:

AE_{pref} = announced entitlement for preferential access water allocations

SII_{pref} = preferential access seawater intrusion index as calculated in section 3.1.3

3.1.2 Standard access water allocation groups

1. This section applies to water allocations in water allocation groups CB-KBA-B, CB-BEA-B, CB-EGA-B and CB-FMA-B.
2. For each zone group mentioned in Attachment 2.3 Table 1, the announced entitlement for standard access water allocations located in zones within that zone group must be calculated as follows:
 - a) Determine the groundwater level for each assessment site in the relevant zone group mentioned in Attachment 6.1D.
 - b) Round down each level to a corresponding water level mentioned in the table.
 - c) For each level determined in the previous step, select the corresponding calculation factor for that assessment site.
 - d) Determine the announced entitlement using equation 2 and round the result to the nearest five per cent..

Equation 2:

$$AE_{\text{std}} = (f_1 + f_2 + \dots + f_n) / n * SII_{\text{std}}$$

Where:

AE_{std} = Announced Entitlement for standard access water allocations

n = number of assessment sites for each respective zone group

f_i = calculation factor for a particular assessment site

SII_{std} = standard access seawater intrusion index as calculated in section 3.1.3

3.1.3 Seawater intrusion index

(1) The *preferential seawater intrusion index* (SII_{pref}) and standard seawater intrusion index (SII_{std}) for each zone group mentioned in Table 1 must be determined as follows:

(a) if the conductivity of water in the bore mentioned in column 2, at the depth mentioned in column 3, is less than the level mentioned in column 4, (SII_{std}) is 1 and (SII_{pref}) is 1;

or

(b) if the conductivity of water in the bore mentioned in column 2, at the depth mentioned in column 3, is greater than or equal to the level mentioned in column 4, but less than the level mentioned in column 5 then (SII_{std}) is 0.5 and (SII_{pref}) is 0.75; or

(c) if the conductivity of water in the bore mentioned in column 2, at the depth mentioned in column 3, is greater than or equal to the level mentioned in column 5 then (SII_{std}) is 0 and (SII_{pref}) is 0.5.

(2) Despite subsection (1)(a), (1)(b) and (1)(c), the preferential seawater intrusion index and standard seawater intrusion index will be 1 if the chief executive is satisfied that an electrical conductivity reading is unrelated to the intrusion of seawater.

(3) The preferential seawater intrusion index and standard seawater intrusion index will increase to 1 when the conductivity of water in the corresponding bore mentioned in column 2, at the depth mentioned in column 3, is less than or equal to the level mentioned in column 6.

Table 1: Seawater intrusion index, trigger bore and conductivity levels

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
Zone group(s)	Trigger bore (RN ⁴)	Elevation (m AHD ⁵)	Stage 1 ($\mu\text{S}/\text{cm}^6$)	Stage 2 ($\mu\text{S}/\text{cm}$)	Recovery target ($\mu\text{S}/\text{cm}$)
ZG01 and ZG03	13500110B	-13.05	2 450	2 950	2 200
ZG02 and ZG03	13500117B	-20.73	1 400	2 650	1 000
ZG04 and ZG05	13600174A	-17.85	1 150	1 650	900
ZG11 and ZG14, and ZG15	13600220B	-22.86	1 800	1 900	1 700
ZG11 and ZG15	13700199B	-7.81	1 700	1 900	1 500
ZG13 and ZG16	13700157A	-8.09	3 300	4 000	3 000
ZG14 and ZG17	13600223A	-12.62	850	1 350	600
ZG21 and ZG22	13700186A	-0.76	1 900	2 100	1 850
ZG36	13500170A	-57.84	1 650	2 500	1 200
ZG38	13700205A	-30.43	1 500	1 550	1 450

⁴RN refers to the Registered Number recorded in the departmental groundwater database

⁵AHD refers to Australian Height Datum

⁶ $\mu\text{S}/\text{cm}$ is the abbreviation for microsiemens per centimetre, a unit of measurement for electrical conductivity

4 Moore Park environmental management rules

1. This section applies to water allocations and other authorisations to take groundwater located in zones 80, 81 and 82.
2. Authorisation holders must cease groundwater extraction when either—
 - a) The assessed groundwater level at site 427294E 7262873N is at or below -3.5 m AHD; or
 - b) The assessed groundwater level at site 426640E 7263852N is at or below -4.0 m AHD.
3. Authorisation holders may recommence groundwater extraction when—
 - a) The assessed groundwater level at site 427294E 7262873N is at or above 0.5 m AHD; and

- b) The assessed groundwater level at site 426640E 7263852N is at or above 0.0 m AHD.
4. The chief executive will notify the holders of the water allocations to which these rules apply when the cessation or recommencement rules in this section apply.
5. In this section:
site is a geographical location stated in eastings and northings as Map Grid of Australia 1994 (MGA94) zone 56 coordinates for which the assessed groundwater level is to be determined.

5 General environmental management rule

1. Despite sections 3 and 4, water allocation holders are prohibited to take water under a water allocation if the electrical conductivity of the water taken would be greater than 2500 microsiemens per centimetre ($\mu\text{S}/\text{cm}$).
2. Subsection 1 does not apply if the chief executive is satisfied that an electrical conductivity reading greater than 2500 $\mu\text{S}/\text{cm}$ is unrelated to the intrusion of seawater.

6 Seasonal water assignment rules

6.1 Seasonal assignments within zones

The chief executive may approve a seasonal water assignment of a water allocation if the zone from which the extraction would occur under the assignment is the same as the location for the water allocation.

6.2 Permitted seasonal assignments between zones and zone groups

- (1) The chief executive may approve a seasonal water assignment of a water allocation where the zone from which the extraction would occur under the assignment is not the location for the water allocation, if:
 - a) the zone from which the extraction would occur under the assignment is a zone mentioned in Table 2;
 - b) the approval would result in a potential take volume for a zone less than or equal to the total allowable take volume for that zone;
 - c) the approval would result in a potential take volume for a zone group less than or equal to the total allowable take volume for that zone group.
- (2) In addition to subsection (1), the chief executive may approve a seasonal assignment of a water allocation located within zone group 36 if:
 - a) the zone from which the extraction would occur under the assignment is located within the Kolan Burnett A sub-area and;
 - b) the seasonal assignment volume is not greater than 25% of the total announced entitlement for all water allocations located in zone group 36 and;
 - c) the seasonal assignment volume is not greater than 50% of the announced entitlement for the water allocation.

6.3 Potential take volume calculation

1. The potential take volume for a zone, for a given point in time is to be calculated using equation 3.
2. The potential take volume for a zone group, for a given point in time is to be calculated using equation 4.

6.4 Total allowable take volume calculation

- (1) The total allowable take volume for a zone, for a given point in time is to be calculated using equation 5.
- (2) The total allowable take volume for a zone group, for a given point in time is to be calculated using equation 6.

Equation 3:

$$PTV_z = (ZVL_{pref} * AE_{pref}) + (ZVL_{std} * AE_{std}) + SWA_{in} - SWA_{out}$$

Where:

PTV_z – potential take volume for a zone

SWA_{in} – The volume of water seasonally assigned into the zone for the current water year.

SWA_{out} – The volume of water seasonally assigned out of the zone for the current water year.

ZVL_{pref} – The sum of the volumetric limits of preferential access water allocations located in the zone.

ZVL_{std} – The sum of the volumetric limits of standard access water allocations located in the zone.

AE_{pref} – Current announced entitlement for preferential access water allocations for the zone.

AE_{std} – Current announced entitlement for standard access water allocations for the zone.

Equation 4:

$$PTV_{ZG} = (ZGVL_{pref} * AE_{pref}) + (ZGVL_{std} * AE_{std}) + SWA_{in} - SWA_{out}$$

Where:

PTV_{ZG} – potential take volume for a zone group

SWA_{in} – The volume of water seasonally assigned into the zone group for the current water year.

SWA_{out} – The volume of water seasonally assigned out of the zone group for the current water year.

$ZGVL_{pref}$ – The sum of the volumetric limits of preferential access water allocations located in the zone group.

$ZGVL_{std}$ – The sum of the volumetric limits of standard access water allocations located in the zone group.

AE_{pref} – Current announced entitlement for preferential access water allocations for the zone group.

AE_{std} – Current announced entitlement for standard access water allocations for the zone group.

Equation 5:

$$TATV_Z = (ZATV_{pref} * AE_{pref}) + (ZATV_{std} * AE_{std})$$

Where:

$TATV_Z$ – Total allowable take volume for a zone.

$ZATV_{pref}$ – The preferential access allowable take volume for a given zone as stated in Table 2.

$ZATV_{std}$ – The standard access allowable take volume for a given zone as stated in Table 2.

AE_{pref} – Current announced entitlement for preferential access water allocations for the zone.

AE_{std} – Current announced entitlement for standard access water allocations for the zone.

Equation 6:

$$TATV_{ZG} = (ZGATV_{pref} * AE_{pref}) + (ZGATV_{std} * AE_{std})$$

Where:

$TATV_{ZG}$ – Total allowable take volume for a zone group.

$ZGATV_{pref}$ – The preferential access allowable take volume for a given zone group as stated in Table 2.

$ZGATV_{std}$ – The standard access allowable take volume for a given zone group as stated in Table 2.

AE_{pref} – Current announced entitlement for preferential access water allocations for the zone group.

AE_{std} – Current announced entitlement for standard access water allocations for the zone group.

6.5 Prohibited seasonal assignments between zones and zone groups

1. A seasonal water assignment that is not permitted under sections 6.1 or 6.2 is prohibited.

Table 2: Zone and zone group allowable take volumes

Zone group	Zone group allowable take volumes (ML)		Zone	Zone allowable take volumes (ML)	
	Preferential access	Standard access		Preferential access	Standard access
Coastal Burnett Unit 1					
ZG03 (Booyan)	230	6 111	004	230	497
			005	0	1 858
			006	0	1 254
			007	0	1 139
			008	0	2 084
ZG04 (Gooburrum)	15	5 787	009	0	2 100
			010	15	727
			011	0	1 045
			012	0	487
			013	0	997
			014	0	1 064
ZG06 (Welcome Creek/Meadowvale/Oakwood)	150	2 645	017	150	611
			018	0	651
			019	0	1 026
			020	0	622
ZG15 (Woongarra)	0	6 276	038	0	1 331
			039	0	814
			040	0	845
			041	0	19
			042	0	643
			043	0	1 522
			044	0	1 758
ZG16 (Calavos)	0	8 708	045	0	728
			046	0	1 184
			047	0	1 028
			048	0	2 135
			049	0	1 180
			050	0	1 228
			051	0	1 372
			052	0	1 185

Zone group	Zone group allowable take volumes (ML)		Zone	Zone allowable take volumes (ML)	
	Preferential access	Standard access		Preferential access	Standard access
ZG17 (Bundaberg)	6 020	3 453	053	6 020	361
			054	0	1 544
			055	0	1 515
			056	0	82
			057	0	431
ZG18 (Alloway)	225	1 528	058	0	517
			059	0	836
			060	225	327
ZG21 (Elliott River south)	0	1 643	063	0	386
			064	0	1 003
			065	0	418
Coastal Burnett Unit 2					
ZG38 (Woongarra/Windermere)	200	2388	084	0	883
			085	0	259
			086	0	12
			087	0	743
			088	200	415
			089	0	198
ZG39 (Calavos lower)	200	1583	090	200	572
			091	0	1 170
ZG40 (Coonarr Road west)	0	1249	092	0	1 249
ZG41 (Mahogany Creek)	0	2949	094	0	1 433
			095	0	1 806

Attachment 6.1C Coastal Burnett GMA: Dealings with water allocations

1 Scope of attachment 6.1C

This attachment provides for dealings with water allocations to take unsupplemented groundwater located in the Coastal Burnett GMA.

2 Subdivisions or amalgamations of water allocations

2.1 Permitted subdivisions and amalgamation of water allocations

1. Subdivision of a water allocation is permitted where:
 - a) the nominal volume and annual volumetric limit of each of the new water allocations are in the same proportions as the nominal volume and annual volumetric limit of the water allocation that is being subdivided; and
 - b) the sum of the nominal volumes and annual volumetric limits of the new water allocations equals the nominal volume and annual volumetric limit of the water allocation that is being subdivided; and
 - c) The location, water allocation group and other conditions of the new water allocations are the same as that of the water allocation that is being subdivided.
2. Amalgamation of water allocations is permitted where:
 - a) the water allocations being amalgamated state the same location, water allocation group, flow conditions and other conditions; and
 - b) the nominal volume of the new water allocation is equal to the sum of the nominal volumes of the water allocations being amalgamated; and
 - c) the annual volumetric limit of the new water allocation is equal to the sum of the annual volumetric limits of the water allocations being amalgamated.

2.2 Prohibited subdivision and amalgamations of water allocations

- 1) Subdivision of a water allocation is prohibited where either—
 - a) the nominal volume and annual volumetric limit of each of the new water allocations are not in the same proportions as the nominal volume and annual volumetric limit of the water allocation that is being subdivided; or
 - b) the sum of the nominal volumes and annual volumetric limits of the new water allocations are not equal to the nominal volume and annual volumetric limit of the water allocation that is being subdivided; or
 - c) the new water allocations do not state the same location, water allocation group, flow conditions and other conditions as the water allocation that is being subdivided.

- 2) Amalgamation of water allocations is prohibited where either—
 - a) the water allocations being amalgamated do not state the same location, water allocation group, flow conditions and other conditions; or
 - b) the nominal volume of the new water allocation is not equal to the sum of the nominal volumes of the water allocations being amalgamated; or
 - c) the annual volumetric limit of the new water allocation is not equal to the sum of the annual volumetric limits of the water allocations being amalgamated.

3 Water allocation change rules

3.1 Permitted changes for preferential access water allocations

This section applies to water allocations in water allocation groups CB-KBA-A, CB-BEA-A, and CB-FMA-A.

3.1.1 Location changes

- 1) A change to the location of a water allocation is permitted if:
 - a) it would not result in a change to a location in a different subarea, as detailed in Attachment 2.3, Table 1; and
 - b) the new location is a zone mentioned in Table 1; and
 - c) it would not result in the total nominal volume of preferential access water allocations for a zone greater than the allowable nominal volume for the zone identified in Table 1; and
 - d) it would not result in the total nominal volume of preferential access water allocations for a zone group greater than the allowable nominal volume for the zone group greater than the allowable nominal volume for the zone group identified in Table 1.
- 2) In this section—

total nominal volume of preferential access water allocations for a zone is the total nominal volume of all water allocations in water allocation groups CB-KBA-A, CB-BEA-A and CB-FMA-A located in the zone and for which relevant valid change certificates have been issued under s.129 of the *Water Act 2000*.

total nominal volume of preferential access water allocations for a zone group is the total nominal volume of all water allocations in water allocation groups CB-KBA-A, CB-BEA-A and CB-FMA-A located in zones within the zone group and for which relevant valid change certificates have been issued under s.129 of the *Water Act 2000*.

3.2 Permitted changes for standard access water allocations

This section applies to water allocations in water allocation groups CB-KBA-B, CB-BEA-B, CB-EGA-B and CB-FMA-B.

3.2.1 Location changes

- 1) A change to the location of a water allocation is permitted if:

- a) it would not result in a change to a location in a different subarea, as detailed in Attachment 2.3, Table 1; and
- b) the new location is to a zone mentioned in Table 2; and
- c) it would not result in the total nominal volume of standard access water allocations for a zone greater than the allowable nominal volume for the zone identified in Table 2; and
- d) it would not result in the total nominal volume of standard access water allocations for a zone group greater than the allowable nominal volume for the zone group identified in Table 2; and
- e) the annual volumetric limit of the water allocation is changed using equation 1.

Equation 1:

$$WA_{AVL} = WA_{nv} \times ZG_{ti}^7$$

Where:

WA_{AVL} = annual volumetric limit for the water allocation

WA_{nv} = nominal volume for the water allocation

ZG_{ti} = trading index for the zone group relating to the destination zone, as detailed in Table 2.

⁷ WA_{AVL} will be rounded to the nearest 1 ML

- 2) In this section—

total nominal volume of standard access water allocations for a zone is the total nominal volume of all water allocations in water allocation groups CB-KBA-B, CB-BEA-B, CB-EGA-B and CB-FMA-B located in the zone and for which relevant valid change certificates have been issued under s.129 of the *Water Act 2000*.

total nominal volume of standard access water allocations for a zone group is the total nominal volume of all water allocations in water allocation groups CB-KBA-B, CB-BEA-B, CB-EGA-B and CB-FMA-B located in zones within the zone group and for which relevant valid change certificates have been issued under s.129 of the *Water Act 2000*.

Table 1: Zone and zone group allowable nominal volumes for preferential access water allocations

Subarea	Zone Group	Zone Group Allowable Nominal Volume (ML)	Zone	Zone Allowable Nominal Volume (ML)
Coastal Burnett Unit 1				
Kolan Burnett A	ZG03 (Booyan)	230	004	230
	ZG04 (Gooburrum)	15	010	15
	ZG06 (Welcome Creek/ Meadowvale/ Oakwood)	150	017	150
Burnett Elliott A	ZG17 (Bundaberg)	6 020	053	6 020
	ZG18 (Alloway)	225	060	225
Coastal Burnett Unit 2				
Fairymead A	ZG38 (Woongarra/Windermere)	200	088	200
	ZG39 (Calavos lower)	200	090	200

Table 2: Zone and zone group allowable nominal volumes for standard access water allocations

Sub-area	Zone group	Zone group allowable nominal	Zone	Zone allowable nominal	Trade index
Coastal Burnett Unit 1					
Kolan Burnett A	ZG03 (Booyan)	4 670	004	380	1.31
			005	1 418	
			006	957	
			007	870	
			008	1 571	

Sub-area	Zone group	Zone group allowable nominal	Zone	Zone allowable nominal	Trade index
	ZG04 (Gooburrum)	4 791	009	1 736	1.21
			010	601	
			011	864	
			012	403	
			013	824	
			014	880	
	ZG06 (Welcome Creek / Meadowvale/ Oakwood)	2 383	017	550	1.11
			018	586	
			019	924	
			020	561	
Burnett Elliott A	ZG15 (Woongarra)	3 227	038	686	1.94
			039	420	
			040	436	
			041	10	
			042	332	
			043	784	
			044	906	
	ZG16 (Calavos)	5 541	045	464	1.57
			046	754	
			047	655	
			048	1 360	
			049	751	
			050	782	
			051	874	
			052	755	
	ZG17 (Bundaberg)	2 426	053	254	1.42
			054	1 088	
			055	1 067	
			056	58	
			057	304	
ZG18 (Alloway)	1 389	058	470	1.10	
		059	760		
		060	298		

Sub-area	Zone group	Zone group allowable nominal	Zone	Zone allowable nominal	Trade index
Elliott Gregory A	ZG21 (Elliott River south)	1 643	063	386	1.0
			064	1 003	
			065	418	
Coastal Burnett Unit 2					
Fairymead A	ZG38 (Woongarra/ Windermere)	1 521	084	589	1.5
			085	173	
			086	84	
			087	495	
			088	277	
			089	132	
	ZG39 (Calavos lower)	1 389	090	502	1.14
			091	1 026	
	ZG40 (Coonarr Road west)	1 086	092	1 086	1.15
	ZG41 (Mahogany Creek)	2 231	094	1 086	1.32
095			1 368		

3.3 Prohibited changes

- 1) The following changes to a water allocation are prohibited:
 - a) a change to the *purpose*; or
 - b) a change to the *water allocation group*; or
 - c) for water allocations in water allocation groups CB-KBA-B, CB-BEA-B, CB-EGA-B and CB-FMA-B, a change to a *location* if:
 - (i) it would result in a change to a location in a different subarea, as detailed in Attachment 2.3, Table 1; or
 - (ii) the new location is not a zone mentioned in Table 2; or
 - (iii) it would result in the total nominal volume of standard access water allocations for a zone greater than the allowable nominal volume for the zone identified in Table 2; or
 - (iv) it would result in the total nominal volume of standard access water allocations for a zone group greater than the allowable nominal volume for the zone group identified in Table 2; or
 - (v) the annual volumetric limit of the water allocation is changed other than using equation 1 in section 3.2.1.

2) In this section—

total nominal volume of standard access water allocations for a zone is the total nominal volume of all water allocations in water allocation groups CB-KBA-B, CB-BEA-B, CB-EGA-B and CB-FMA-B located in the zone.

total nominal volume of standard access water allocations for a zone group is the total nominal volume of all water allocations in water allocation groups CB-KBA-B, CB-BEA-B, CB-EGA-B and CB-FMA-B located in zones within the zone group.

3.4 Other changes to water allocations

An application for a change to a water allocation that is neither permitted nor prohibited may be made in accordance with s.130 of the *Water Act 2000*.

Attachment 6.1D Coastal Burnett GMA: Water allocation announced entitlement decision tables

Assessment site geographical locations in this attachment are stated in eastings (E) and northings (N) as Map Grid of Australia 1994 (MGA94) zone 56 coordinates.

Table 1: Index of announced entitlement decision tables

Zone group	Zones	Table number
ZG01	001	2
ZG02	002-003	3
ZG03	004-008	4
ZG04	009-014	5
ZG05	015-016	6
ZG06	017-020	7
ZG11	025-026	8
ZG12	027-029	9
ZG13	030-036	10
ZG14	037	11
ZG15	038-044	12
ZG16	045-052	13
ZG17	053-057	14
ZG18	058-060	15
ZG21	063-065	16
ZG22	066	17
ZG23	067	18
ZG24	068	19
ZG36	080-082	20
ZG38	084-089	21
ZG39	090-091	22
ZG40	092-093	23
ZG41	094-095	24

Table 2: Zone group 01—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 424410 N:7266805	Groundwater level metres AHD Assessment site 2 E: 425850 N:7265274	Groundwater level metres AHD Assessment site 3 E: 425678 N:7266380	Announcement factor %
0.5	0.50	0.52	0
0.53	0.53	0.54	5
0.57	0.57	0.55	10
0.60	0.60	0.57	15
0.63	0.63	0.58	20
0.67	0.67	0.60	25
0.70	0.70	0.61	30
0.73	0.73	0.63	35
0.77	0.77	0.64	40
0.80	0.80	0.66	45
0.83	0.83	0.67	50
0.87	0.87	0.69	55
0.90	0.90	0.70	60
0.93	0.93	0.72	65
0.97	0.97	0.73	70
1.00	1.00	0.75	75
1.16	1.16	1.10	80
1.32	1.32	1.45	85
1.48	1.49	1.80	90
1.64	1.65	2.15	95
1.8	1.81	2.50	100

Table 3: Zone group 02—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 431845 N:7260659	Groundwater level metres AHD Assessment site 2 E: 429751 N:7262940	Groundwater level metres AHD Assessment site 3 E: 433780 N:7258197	Announcement factor %
0.50	0.5	0.50	0
0.53	0.53	0.52	5
0.57	0.57	0.54	10
0.60	0.60	0.55	15
0.63	0.63	0.57	20
0.67	0.67	0.59	25
0.70	0.70	0.60	30
0.73	0.73	0.62	35
0.77	0.77	0.64	40
0.80	0.80	0.65	45
0.83	0.83	0.67	50
0.87	0.87	0.68	55
0.90	0.90	0.70	60
0.93	0.93	0.72	65
0.97	0.97	0.73	70
1.00	1.00	0.75	75
1.30	1.30	1.10	80
1.60	1.60	1.45	85
1.90	1.90	1.80	90
2.20	2.20	2.15	95
2.50	2.5	2.5	100

Table 4: Zone group 03—announced entitlement decision table

Groundwater level metres AHD assessment site 1 E: 426928 N:7261260	Groundwater level metres AHD assessment site 2 E: 427871 N:7258632	Groundwater level metres AHD assessment site 3 E: 425288 N: 7263243	Announcement factor %
2.03	3.17	2.14	0
2.22	3.35	2.32	5
2.40	3.53	2.51	10
2.59	3.71	2.69	15
2.77	3.89	2.87	20
2.96	4.07	3.06	25
3.14	4.25	3.24	30
3.33	4.43	3.42	35
3.51	4.61	3.60	40
3.70	4.79	3.79	45

Groundwater level metres AHD assessment site 1 E: 426928 N:7261260	Groundwater level metres AHD assessment site 2 E: 427871 N:7258632	Groundwater level metres AHD assessment site 3 E: 425288 N: 7263243	Announcement factor %
3.88	4.97	3.97	50
4.07	5.15	4.15	55
4.25	5.33	4.34	60
4.44	5.51	4.52	65
4.62	5.69	4.70	70
4.80	5.87	4.89	75
5.34	6.77	5.18	80
5.88	7.68	5.47	85
6.42	8.58	5.75	90
6.96	9.49	6.04	95
7.50	10.39	6.33	100

Table 5: Zone group 04—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 432260 N:7255144	Groundwater level metres AHD Assessment site 2 E: 428949 N:7256980	Groundwater level metres AHD Assessment site 3 E: 431586 N:7252268	Groundwater level metres AHD Assessment site 4 E: 429791 N:7254477	Announcement factor %
1.96	3.17	1.74	4.29	0
2.11	3.37	1.88	4.47	5
2.25	3.56	2.03	4.64	10
2.40	3.76	2.17	4.82	15
2.55	3.96	2.32	4.99	20
2.70	4.16	2.46	5.17	25
2.84	4.35	2.60	5.34	30
2.99	4.55	2.75	5.52	35
3.14	4.75	2.89	5.69	40
3.28	4.94	3.04	5.87	45
3.43	5.14	3.18	6.04	50
3.58	5.34	3.32	6.22	55
3.72	5.54	3.47	6.39	60
3.87	5.73	3.61	6.57	65
4.02	5.93	3.76	6.74	70
4.17	6.13	3.90	6.92	75
4.31	6.33	4.04	7.09	80
4.46	6.52	4.19	7.27	85
5.45	7.20	4.79	8.18	90
6.45	7.88	5.39	9.09	95
7.44	8.55	6.00	10	100

Table 6: Zone group 05—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 431644 N:7250576	Groundwater level metres AHD Assessment site 2 E: 434400 N: 7252448	Announcement factor %
0.47	0.28	0
0.52	0.32	5
0.57	0.36	10
0.62	0.40	15
0.67	0.44	20
0.72	0.49	25
0.76	0.53	30
0.81	0.57	35
0.86	0.61	40
0.91	0.65	45
0.96	0.69	50
1.01	0.73	55
1.06	0.77	60
1.11	0.81	65
1.16	0.85	70
1.21	0.90	75
1.25	0.94	80
1.30	0.98	85
1.35	1.02	90
1.40	1.06	95
1.45	1.10	100

Table 7: Zone group 06—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 421054 N:7264475	Groundwater level metres AHD Assessment site 2 E: 429036 N:7255882	Groundwater level metres AHD Assessment site 3 E: 428378 N:7253795	Groundwater level metres AHD Assessment site 4 E: 423722 N:7259229	Announcement factor %
8.16	3.91	6.77	8.34	0
8.28	4.08	6.84	8.97	5
8.41	4.25	6.91	9.61	10
8.53	4.43	6.97	10.24	15
8.65	4.60	7.04	10.87	20
8.77	4.77	7.11	11.51	25
8.90	4.94	7.18	12.14	30
9.02	5.11	7.25	12.77	35
9.14	5.29	7.31	13.40	40
9.26	5.46	7.38	14.04	45
9.39	5.63	7.45	14.67	50
9.51	5.80	7.52	15.30	55
9.63	5.97	7.59	15.94	60
9.76	6.15	7.65	16.57	65
9.88	6.32	7.72	17.20	70
10.00	6.49	7.79	17.84	75
10.29	6.66	8.25	18.66	80
10.58	6.83	8.70	19.49	85
10.86	7.01	9.16	20.32	90
11.15	8.01	9.61	21.15	95
11.44	9.02	10.07	21.98	100

Table 8: Zone group 11—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 440553 N:7254309	Groundwater level metres AHD Assessment site 2 E: 442657 N:7257865	Groundwater level metres AHD Assessment site 3 E: 439732 N:7259920	Announcement factor %
1.72	0.5	0.5	0
1.80	0.56	0.53	5
1.89	0.63	0.56	10
1.97	0.69	0.59	15
2.05	0.76	0.62	20
2.14	0.82	0.65	25
2.22	0.88	0.68	30
2.30	0.95	0.71	35
2.38	1.01	0.74	40

Groundwater level metres AHD Assessment site 1 E: 440553 N:7254309	Groundwater level metres AHD Assessment site 2 E: 442657 N:7257865	Groundwater level metres AHD Assessment site 3 E: 439732 N:7259920	Announcement factor %
2.47	1.08	0.77	45
2.55	1.14	0.81	50
2.63	1.20	0.84	55
2.72	1.27	0.87	60
2.80	1.33	0.90	65
2.93	1.53	1.04	70
3.07	1.74	1.18	75
3.21	1.94	1.32	80
3.34	2.14	1.47	85
3.48	2.35	1.61	90
3.61	2.55	1.75	95
3.75	2.75	1.90	100

Table 9: Zone group 12—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 446153 N:7247803	Groundwater level metres AHD Assessment site 2 E: 446850 N:7249641	Groundwater level metres AHD Assessment site 3 E: 446451 N:7251622	Announcement factor %
2.21	1.25	0.71	0
2.46	1.41	0.79	5
2.70	1.57	0.86	10
2.95	1.73	0.94	15
3.19	1.89	1.02	20
3.44	2.05	1.10	25
3.68	2.21	1.17	30
3.93	2.37	1.25	35
4.17	2.54	1.33	40
4.42	2.70	1.40	45
4.66	2.86	1.48	50
4.91	3.02	1.56	55
5.15	3.18	1.63	60
5.40	3.34	1.71	65
5.64	3.50	1.79	70
6.03	3.83	1.99	75
6.43	4.17	2.19	80
6.82	4.50	2.39	85
7.21	4.83	2.59	90
7.61	5.17	2.80	95
8.00	5.50	3.00	100

Table 10: Zone group 13—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 447190 N:7244744	Groundwater level metres AHD Assessment site 2 E: 445155 N:7242454	Groundwater level metres AHD Assessment site 3 E: 446044 N:7244002	Announcement factor %
0	1.24	1.58	0
0.17	1.44	1.70	5
0.35	1.64	1.82	10
0.52	1.84	1.94	15
0.70	2.04	2.06	20
0.87	2.24	2.18	25
1.05	2.44	2.29	30
1.22	2.64	2.41	35
1.39	2.84	2.53	40
1.57	3.04	2.65	45
1.74	3.24	2.77	50
1.92	3.43	2.89	55
2.09	3.63	3.01	60
2.27	3.83	3.13	65
2.44	4.03	3.25	70
2.77	4.23	3.60	75
3.10	4.43	3.95	80
3.42	4.63	4.29	85
3.75	4.83	4.64	90
4.08	5.03	4.99	95
4.41	5.23	5.34	100

Table 11: Zone group 14—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 435645 N:7249961	Announcement factor %
0.00	0
0.13	5
0.25	10
0.38	15
0.50	20
0.63	25
0.75	30
0.88	35
1.00	40

Groundwater level metres AHD Assessment site 1 E: 435645 N:7249961	Announcement factor %
1.13	45
1.25	50
1.38	55
1.50	60
1.63	65
1.75	70
1.88	75
2.00	80
2.13	85
2.25	90
2.38	95
2.50	100

Table 12: Zone group 15—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 442615 N:7250695	Groundwater level metres AHD Assessment site 2 E: 440197 N:7249663	Groundwater level metres AHD Assessment site 3 E: 443414 N:7247770	Announcement factor %
2.96	2.85	2.99	0
3.26	3.10	3.12	5
3.56	3.34	3.25	10
3.87	3.59	3.37	15
4.17	3.83	3.50	20
4.47	4.08	3.63	25
4.77	4.32	3.76	30
5.07	4.57	3.88	35
5.38	4.81	4.01	40
5.68	5.06	4.14	45
5.98	5.30	4.27	50
6.28	5.55	4.39	55
6.58	5.79	4.52	60
6.89	6.04	4.65	65
7.19	6.28	4.78	70
7.49	6.53	4.90	75
8.38	6.93	5.79	80
9.27	7.33	6.68	85
10.15	7.73	7.57	90
11.04	8.13	8.46	95
11.93	8.53	9.35	100

Table 13: Zone group 16—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 438423 N:7239681	Groundwater level metres AHD Assessment site 2 E: 439896 N:7242998	Groundwater level metres AHD Assessment site 3 E: 441509 N:7239387	Announcement factor %
6.5	5.32	3.25	0
6.65	5.52	3.52	5
6.79	5.72	3.78	10
6.94	5.92	4.05	15
7.09	6.12	4.31	20
7.24	6.32	4.58	25
7.38	6.52	4.85	30
7.53	6.72	5.11	35
7.68	6.92	5.38	40
7.82	7.12	5.64	45
7.97	7.32	5.91	50
8.12	7.52	6.18	55
8.27	7.72	6.44	60
8.41	7.92	6.71	65
8.56	8.12	6.97	70
8.71	8.32	7.24	75
8.85	8.52	7.51	80
9.00	8.73	7.78	85
9.85	9.49	8.22	90
10.69	10.25	8.66	95
11.54	11.00	9.09	100

Table 14: Zone group 17—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 438532 N:7246885	Groundwater level metres AHD Assessment site 2 E: 435305 N:7246680	Groundwater level metres AHD Assessment site 3 E: 438616 N:7244930	Announcement factor %
3.80	4.27	5.21	0
3.98	4.38	5.34	5
4.16	4.49	5.47	10
4.35	4.59	5.60	15
4.53	4.70	5.73	20
4.71	4.81	5.86	25
4.89	4.92	5.99	30
5.07	5.03	6.12	35
5.26	5.13	6.26	40

Groundwater level metres AHD Assessment site 1 E: 438532 N:7246885	Groundwater level metres AHD Assessment site 2 E: 435305 N:7246680	Groundwater level metres AHD Assessment site 3 E: 438616 N:7244930	Announcement factor %
5.44	5.24	6.39	45
5.62	5.35	6.52	50
5.80	5.46	6.65	55
5.98	5.57	6.78	60
6.17	5.68	6.91	65
6.35	5.78	7.04	70
6.53	5.89	7.17	75
7.12	6.00	7.90	80
7.71	6.48	8.63	85
8.31	6.95	9.37	90
8.90	7.43	10.10	95
9.49	7.91	10.83	100

Table 15: Zone group 18—announced entitlement decision table

Groundwater level metres AHD assessment site 1 E: 437291 N:7238271	Groundwater level metres AHD assessment site 2 E: 433168 N:7241383	Groundwater level metres AHD Assessment site 3 E: 435589 N:7240130	Announcement factor %
8.65	14.36	13.87	0
9.14	14.55	14.11	5
9.63	14.74	14.35	10
10.13	14.93	14.59	15
10.62	15.13	14.83	20
11.11	15.32	15.07	25
11.60	15.51	15.31	30
12.09	15.70	15.55	35
12.59	15.89	15.79	40
13.08	16.08	16.02	45
13.57	16.28	16.26	50
14.06	16.47	16.50	55
14.56	16.66	16.74	60
15.05	16.85	16.98	65
15.54	17.04	17.22	70
16.03	17.23	17.46	75
16.52	17.42	17.70	80
17.02	17.62	17.94	85
17.51	17.81	18.18	90
18.00	18.00	18.42	95
24.55	21.82	21.24	100

Table 16: Zone group 21—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 434389 N:7234907	Groundwater level metres AHD Assessment site 2 E: 437520 N:7235813	Groundwater level metres AHD Assessment site 3 E: 440786 N:7237348	Announcement factor %
9.07	5.04	2.38	0
9.38	5.26	2.53	5
9.70	5.48	2.67	10
10.01	5.69	2.82	15
10.32	5.91	2.96	20
10.64	6.13	3.11	25
10.95	6.35	3.26	30
11.26	6.57	3.40	35
11.57	6.78	3.55	40
11.89	7.00	3.69	45
12.20	7.22	3.84	50
12.51	7.44	3.99	55
12.83	7.66	4.13	60
13.14	7.87	4.28	65
13.45	8.09	4.42	70
13.77	8.31	4.57	75
14.08	8.53	4.72	80
14.39	8.75	4.86	85
14.70	8.96	5.01	90
15.02	9.18	5.15	95
15.33	9.40	5.30	100

Table 17: Zone group 22—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 444202 N:7233858	Groundwater level metres AHD Assessment site 2 E: 442084 N:7236347	Groundwater level metres AHD Assessment site 3 E: 438193 N:7234290	Announcement factor %
7	4.25	7.67	0
7.24	4.77	7.79	5
7.47	5.28	7.92	10
7.71	5.80	8.04	15
7.94	6.32	8.16	20
8.18	6.83	8.29	25
8.41	7.35	8.41	30
8.65	7.87	8.53	35
8.88	8.38	8.65	40
9.12	8.90	8.78	45

Groundwater level metres AHD Assessment site 1 E: 444202 N:7233858	Groundwater level metres AHD Assessment site 2 E: 442084 N:7236347	Groundwater level metres AHD Assessment site 3 E: 438193 N:7234290	Announcement factor %
9.35	9.42	8.90	50
9.59	9.93	9.02	55
9.82	10.45	9.15	60
10.06	10.96	9.27	65
10.29	11.48	9.39	70
10.53	12.00	9.51	75
10.76	12.51	9.63	80
11.00	13.03	10.35	85
11.97	13.55	11.07	90
12.94	14.06	11.78	95
13.91	14.58	12.50	100

Table 18: Zone group 23—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 452526 N:7222669	Announcement factor %
2.01	0
2.06	5
2.11	10
2.16	15
2.21	20
2.26	25
2.31	30
2.36	35
2.41	40
2.46	45
2.51	50
2.56	55
2.61	60
2.66	65
2.71	70
2.76	75
2.81	80
2.86	85
2.91	90
2.96	95
3.01	100

Table 19: Zone group 24—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 438193 N:7234290	Announcement factor %
7.67	0
7.76	5
7.84	10
7.93	15
8.02	20
8.10	25
8.19	30
8.28	35
8.36	40
8.45	45
8.54	50
8.62	55
8.71	60
8.80	65
8.88	70
8.97	75
9.74	80
10.52	85
11.29	90
12.07	95
12.84	100

Table 20: Zone group 36—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 426640 N:7263852	Groundwater level metres AHD Assessment site 2 E: 425850 N:7265274	Groundwater level metres AHD Assessment site 3 E: 426210 N:7262098	Announcement factor %
-4.00	-3.00	-2.63	0
-3.65	-2.75	-2.35	5
-3.29	-2.50	-2.07	10
-2.94	-2.25	-1.79	15
-2.58	-2.00	-1.50	20
-2.23	-1.75	-1.22	25
-1.87	-1.50	-0.94	30
-1.52	-1.25	-0.66	35
-1.16	-1.00	-0.38	40

Groundwater level metres AHD Assessment site 1 E: 426640 N:7263852	Groundwater level metres AHD Assessment site 2 E: 425850 N:7265274	Groundwater level metres AHD Assessment site 3 E: 426210 N:7262098	Announcement factor %
-0.81	-0.75	-0.10	45
-0.45	-0.50	0.19	50
-0.10	-0.25	0.47	55
0.26	0.00	0.75	60
0.61	0.25	1.03	65
0.95	0.50	1.31	70
1.29	0.75	1.59	75
1.63	1.00	1.87	80
1.98	1.25	2.16	85
2.32	1.50	2.44	90
2.66	1.75	2.72	95
3.00	2.00	3.00	100

Table 21: Zone group 38—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 442615 N:7250695	Groundwater level metres AHD Assessment site 2 E: 440363 N:7252380	Groundwater level metres AHD Assessment site 3 E: 443414 N:7247770	Announcement factor %
0.00	0.55	1.22	0
0.39	0.76	1.51	5
0.78	0.97	1.79	10
1.17	1.18	2.08	15
1.56	1.39	2.37	20
1.94	1.61	2.65	25
2.33	1.82	2.94	30
2.72	2.03	3.23	35
3.11	2.24	3.51	40
3.50	2.45	3.80	45
3.89	2.66	4.09	50
4.28	2.87	4.37	55
4.67	3.08	4.66	60
5.05	3.29	4.95	65
5.44	3.50	5.23	70
5.83	3.72	5.52	75
6.22	3.93	5.81	80
6.61	4.14	6.09	85
7.00	4.35	6.38	90
8.00	4.56	7.88	95
9.00	4.77	9.38	100

Table 22: Zone group 39— announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 441503 N:7239390	Groundwater level metres AHD Assessment site 2 E: 441297 N:7241231	Groundwater level metres AHD Assessment site 3 E: 440886 N:7244089	Announcement factor %
3.39	3.49	4.55	0
3.61	3.73	4.73	5
3.82	3.96	4.91	10
4.04	4.20	5.09	15
4.26	4.44	5.28	20
4.47	4.68	5.46	25
4.69	4.91	5.64	30
4.90	5.15	5.82	35
5.12	5.39	6.00	40
5.34	5.63	6.18	45
5.55	5.86	6.37	50
5.77	6.10	6.55	55
5.99	6.34	6.73	60
6.20	6.58	6.91	65
6.42	6.81	7.09	70
6.63	7.05	7.27	75
6.85	7.29	7.46	80
7.38	7.90	8.19	85
7.91	8.51	8.93	90
8.43	9.13	9.67	95
8.96	9.74	10.41	100

Table 23: Zone group 40—announced entitlement decision table

Groundwater level metres AHD assessment site 1 E: 440344 N:7235884	Groundwater level metres AHD assessment site 2 E: 440015 N:7234795	Groundwater level metres AHD assessment site 3 E: 440254 N:7233932	Announcement factor %
3.12	2.46	2.53	0
3.43	2.87	3.00	5
3.74	3.28	3.47	10
4.05	3.69	3.93	15
4.36	4.10	4.40	20
4.67	4.51	4.87	25
4.97	4.92	5.34	30
5.28	5.33	5.81	35
5.59	5.74	6.27	40
5.90	6.15	6.74	45

Groundwater level metres AHD assessment site 1 E: 440344 N:7235884	Groundwater level metres AHD assessment site 2 E: 440015 N:7234795	Groundwater level metres AHD assessment site 3 E: 440254 N:7233932	Announcement factor %
6.21	6.57	7.21	50
6.52	6.98	7.68	55
6.83	7.39	8.15	60
7.14	7.80	8.61	65
7.45	8.21	9.08	70
7.76	8.62	9.55	75
8.06	9.03	10.02	80
8.37	9.44	10.49	85
8.68	9.85	10.95	90
8.99	10.26	11.42	95
9.30	10.67	11.89	100

Table 24: Zone group 41—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 437452 N:7234104	Groundwater level metres AHD Assessment site 2 E: 438328 N:7233492	Announcement factor %
7.03	7.88	0
7.26	8.19	5
7.48	8.50	10
7.71	8.80	15
7.94	9.11	20
8.16	9.42	25
8.39	9.73	30
8.62	10.03	35
8.84	10.34	40
9.07	10.65	45
9.30	10.96	50
9.52	11.26	55
9.75	11.57	60
9.97	11.88	65
10.20	12.19	70
10.43	12.49	75
10.65	12.80	80
10.88	13.11	85
11.11	13.42	90
11.33	13.72	95
11.56	14.03	100

Attachment 62A Coastal Burnett GMA: Purpose 'Any' water licences

Table 1: Details of purpose 'Any' water licences in unit 1¹³

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
DONALD FILLMORE MORRIS, CATHERINE ANNETTE MORRIS	67/RP818070	67/RP818070	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	6
KAREN MICHELLE STUMER	1/RP28943	1/RP28943	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	50
PETER RODNEY CHAPMAN, KIM SUSAN CHAPMAN	1/RP803329	1/RP803329	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	74
PAUL JAMES ANDERSON, JAMES NORMAN ANDERSON	2/RP96474, 6/RP96474	2/RP96474, 6/RP96474	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	109
ROSS GREGORY CHAPMAN, NATASHA BERNADETTE CHAPMAN	1/RP117790, 5/RP96474	1/RP117790, 5/RP96474	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	140
DADINDEEN PTY LTD, D & K BEESTON PTY LTD	1/RP147900, 2/RP147900, 2/RP28942, 3/RP147900	1/RP147900, 2/RP147900, 2/RP28942, 3/RP147900	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	323
PETER JAMES ANDERSON	7/RP96474	7/RP96474	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	154
GEOFFREY LLOYD FORD, JOY PATRICIA FORD	4/SP117408	4/SP117408	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	329
GLENN ELVIN ROBERTSON	2/RP161237	2/RP161237	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	317
GRAHAM WALTER RAMSAY, CAROLINE HELEN RAMSAY	7/RP907785, 9/RP890909, 3/RP907786	7/RP907785, 9/RP890909, 3/RP907786	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	466

¹³ Details correct as at 15 November 2010. Any changes to water entitlements that occurred after this date and up to commencement of this plan will be recorded on the Water Allocations Register.

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
MICHAEL BARRY FORD, DESLEY GAY FORD	1/RP109894, 2/RP109894, 4/RP109894, 3/RP161802	1/RP109894, 2/RP109894, 4/RP109894, 3/RP161802	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	337
JOHN WESSEL GAMLIN	10/RP890909, 1/RP28937, 1/RP28942	10/RP890909, 1/RP28937, 1/RP28942	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	357
MICHAEL BARRY FORD, DESLEY GAY FORD	1/RP217660, 3/SP117408	1/RP217660, 3/SP117408	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	409
ALLAN WILLIAM DINGLE, CLARE MICHELE DINGLE	1/RP93587, 6/RP851699, 3/RP28945, 47/CK1130, 30/C37453	1/RP93587, 6/RP851699, 3/RP28945, 47/CK1130, 30/C37453	Kolan Burnett B - Zone 021	Coastal Burnett Unit 1	Any	667
IAN REECE HENNIG, SHIRLEY HENNIG	21/RP812688	21/RP812688	Kolan Burnett B - Zone 022	Coastal Burnett Unit 1	Any	2
DAVID IAN BEESTON, KERRYN DOROTHY BEESTON	4/CK3390	4/CK3390	Kolan Burnett B - Zone 022	Coastal Burnett Unit 1	Any	13
PATRICK GARTH SCULLY, FRANCESCA AMELIA SCULLY	5/RP160386	5/RP160386	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	1
TYSON NORMAN TAYLOR	2/RP203230	2/RP203230	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	1
JEFFERY WILLIAM BEAVEN, BARBARA ELAINE BEAVEN	4/RP811780	4/RP811780	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	4
ANTHONY JOHN WOLFE, HELEN JOY MCCART	16/RP156679	16/RP156679	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	4
ORMOND LEX POWELL, DAWN PATRICIA POWELL	4/SP109272	4/SP109272	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	8
RALPH WALTER MATTHEWS, HEATHER LOIS MATTHEWS	83/CK2635	83/CK2635	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	9
JAMES WILLIAM LUXTON	6/RP892201	6/RP892201	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	17

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
RUSSELL ALLAN MEARS, MICHELLE KAYE MEARS	1/RP32206	1/RP32206	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	26
GAVIN ROSS LERCH	2/RP131584	2/RP131584	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	30
DAVID KEITH FISHER, BRIDGET MAREE RAMALLI	2/RP48027	2/RP48027	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	70
J F WOODWARD PTY LTD	46/CK174	46/CK174	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	70
COLIN WILLIAM WALMSLEY, HEATHER IRENE WALMSLEY	2/RP58685, 3/RP57820	2/RP58685, 3/RP57820	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	74
LYALL JOSEPH RASMUSSEN, KIM KERYLEA RASMUSSEN	2/RP838363	2/RP838363	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	104
BRIAN HAROLD DRINKWATER, MARA CHRISTINE DRINKWATER	48/RP805994	48/RP805994	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	125
LEONARD EDWARD NICHOLAS, JOY MARGARET NICHOLAS	111/C37953	111/C37953	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	125
DUDLEY CYRIL SVENSSON, PHYLLIS SVENSSON, KEVIN LESLIE BISHOP, KAYLENE PHYLLIS BISHOP, STEPHEN DUDLEY SVENSSON	4/RP32212, 4/RP32217, 2/RP168261, 8/RP175055	4/RP32212, 4/RP32217, 2/RP168261, 8/RP175055	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	178
PETER JAMES HUSSEY, GLENYS MARIANNE HUSSEY	3/RP203230, 50/CK174	3/RP203230, 50/CK174	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	190
DOROTHY MADELINE NICOLSON, TREVOR JOHN NICOLSON, GRAHAM ROBERT NICOLSON	5/RP892225, 6/RP892225	5/RP892225, 6/RP892225	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	199

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
PETTINELLA DISTRIBUTORS PTY LTD	1/SP182590, 2/SP182590, 7/RP175055	1/SP182590, 2/SP182590, 7/RP175055	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	225
DAVID MICHAEL KIRBY	1/SP187574, 2/SP187574, 3/SP187574	1/SP187574, 2/SP187574, 3/SP187574	Kolan Burnett B - Zone 023	Coastal Burnett Unit 1	Any	319
SOUTH KOLAN RUGBY LEAGUE FOOTBALL CLUB INC	209/W39644	209/W39644	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	2
MARIO MARINO, LENA MARINO, SALVATORE MARINO, VENERANDO MARINO, GINA MARINO	1/RP90828, 2/RP90828	1/RP90828, 2/RP90828	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	3
MANDY ISABEL JENNINGS, TERRY MARK JENNINGS	5/RP224035	5/RP224035	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	4
KEVIN EARLSTON ZUNKER, JUDITH ANN ZUNKER	19/RP904982, 4/RP156627	19/RP904982, 4/RP156627	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	6
WILLIAM CHARLES ORPIN, DOROTHY MAY ORPIN	2/RP148597	2/RP148597	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	8
BURNETT JAMES SAUER	4/RP152704	4/RP152704	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	10
LOUIS RONALD PICKUP, EILEEN MAY PICKUP, RONALD JOHN PICKUP, CHERYL GAY PICKUP	1/RP108039, 2/RP199905, 786/C37513	1/RP108039, 2/RP199905, 786/C37513	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	10
ROBERT HENRY AMOS, BERYL EDITH AMOS	2/CK2791	2/CK2791	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	10
RONALD EDWARD BENGTTSSON, MARILYN JOAN BENGTTSSON	6/RP224035	6/RP224035	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	12
WILLIAM AUGUST ROHDMANN, ALYCE LILY ROHDMANN	83/CK256	83/CK256	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	13

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
BRETT JAMES GOODWIN, KYLIE-JAYNE SCHIPPERS	1/RP144822	1/RP144822	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	14
TIMOTHY NOEL BALDWIN	3/SP192947	3/SP192947	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	44
TREVOR WAYNE SCHULZ, JANETTE MAREE SCHULZ	165/CK820	165/CK820	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	48
DALE RODNEY HISCOCK, JODIE MAREE HISCOCK	1/W39800	1/W39800	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	74
ROBERT JOHN WILLIAMSON, BARBARA YVONNE WILLIAMSON	2/RP46460, 3/RP46460	2/RP46460, 3/RP46460	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	74
TREVOR KEITH JENSEN	10/RP83833, 3/RP83833, 6/RP83833	10/RP83833, 3/RP83833, 6/RP83833	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	82
MARK GEOFFREY PIPER, BRADLEY JAMES PIPER	1/RP31507, 3/SP162024	1/RP31507, 3/SP162024	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	83
MARIANO FRANCO ALTADONNA, KIMBERLY ANN ALTADONNA	1/RP31496, 9/SP192978	1/RP31496, 9/SP192978	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	93
KEVIN EARLSTON ZUNKER, JUDITH ANN ZUNKER, DAVID CHARLES ZUNKER, SUSAN JUDITH ZUNKER	22/C37323, 30/C37323, 32/RP910797	22/C37323, 30/C37323, 32/RP910797	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	97
ROSS ALEXANDER JENSEN, SUSAN MAREE JENSEN	1/RP31514	1/RP31514	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	117
ROSS ALEXANDER JENSEN	2/RP82804, 3/RP199914	2/RP82804, 3/RP199914	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	125
JOHN GEORGE ALBERT TANNER, SHAARYN TANNER	1/RP31497, 2/RP130024	1/RP31497, 2/RP130024	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	148
GEORGE HULME GREEN	2/RP52325	2/RP52325	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	150

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
NOEL JAMES NIELSON, ELLEN ISABEL SOPHIA NIELSON	1/RP49246, 1/RP903134, 1/SP146358, 2/RP903134, 3/RP126227, 3/RP31486, 3/RP49246	1/RP49246, 1/RP903134, 1/SP146358, 2/RP903134, 3/RP126227, 3/RP31486, 3/RP49246	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	181
BRENDAN JOHN PETERSON	2/RP31501, 10/SP205485, 11/SP205485	2/RP31501, 10/SP205485, 11/SP205485	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	184
ROBERT JAMES HABERMANN	7/RP205501, 50/C37361	7/RP205501, 50/C37361	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	211
KEVIN EARLSTON ZUNKER, JUDITH ANN ZUNKER	2/C37323, 44/C37477, 45/C37477	2/C37323, 44/C37477, 45/C37477	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	272
DOUGLAS RICHARD ALGEO, SIMON ALVAN ALGEO	1/RP31513, 1/RP62918, 2/RP62918, 147/C371015, 10/SP123587	1/RP31513, 1/RP62918, 2/RP62918, 147/C371015, 10/SP123587	Kolan Burnett B - Zone 024	Coastal Burnett Unit 1	Any	395
RB & JD SCHMIDT PTY LTD	1/RP108271, 1/RP160692, 1/RP60621, 2/RP160692, 2/RP60621, 3/RP160693, 4/RP160693	1/RP108271, 1/RP160692, 1/RP60621, 2/RP160692, 2/RP60621, 3/RP160693, 4/RP160693	Burnett Elliott B - Zone 061	Coastal Burnett Unit 1	Any	9
ARTHUR JOHN WIRTH	2/RP199912	2/RP199912	Burnett Elliott B - Zone 061	Coastal Burnett Unit 1	Any	10
WILLIAM LESLEY CHILDS, SUSAN MARY NORMAN	12/RP205503	12/RP205503	Burnett Elliott B - Zone 062	Coastal Burnett Unit 1	Any	10
EMDEX PTY LTD	59/CK1579	59/CK1579	Burnett Elliott B - Zone 062	Coastal Burnett Unit 1	Any	318
D N LOESKOW FAMILY PTY LTD	17/SP147959	17/SP147959	Burnett Elliott B - Zone 062	Coastal Burnett Unit 1	Any	601
D N LOESKOW FAMILY PTY LTD	6/RP800401	6/RP800401	Burnett Elliott B - Zone 062	Coastal Burnett Unit 1	Any	1237
TIMOTHY FRANCIS CLIVE MCDONNELL, MILA MCDONNELL	54/CK267	54/CK267	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	4

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
ANTHONY GENE HAACK, MARCELLINE ASQUITH	1/RP203018	1/RP203018	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	7
WILLIAM ERNEST MCKENZIE, SYLVIA ADELLE MCKENZIE	1/RP144488, 63/CK777	1/RP144488, 63/CK777	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	9
JOHN MICHAEL DOWNEY LINDA DOWNEY	6/RP806926	6/RP806926	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	10
FAY VIRGINIA WALKER	5/RP221366	5/RP221366	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	12
MEWFIELD PTY LTD	5/RP809400	5/RP809400	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	30
GARY PETER TROY	3/RP221366	3/RP221366	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	33
RONALD ARTHUR SIMPSON, FAY LEONE SIMPSON	2/RP809400	2/RP809400	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	34
PATRICK THOMAS MCGIBBON, JANELLE LOUISE MCGIBBON	2/RP221366	2/RP221366	Elliott Gregory B - Zone 070	Coastal Burnett Unit 1	Any	172
ROBERT ALEXANDER MCKENZIE, URSULA JANE MCKENZIE	5/RP175016	5/RP175016	Elliott Gregory B - Zone 073	Coastal Burnett Unit 1	Any	30
BUNDABERG SUGAR LTD	74/CK2592	74/CK2592	Elliott Gregory B - Zone 073	Coastal Burnett Unit 1	Any	70
TREVOR RONALD STEINHARDT, KEVIN JOHN STEINHARDT, JANELLE GAYE GERRY	1478/CK3028	1478/CK3028	Elliott Gregory B - Zone 073	Coastal Burnett Unit 1	Any	108
BUNDABERG SUGAR LTD	73/CK2591	73/CK2591	Elliott Gregory B - Zone 073	Coastal Burnett Unit 1	Any	278
MAURICE ISIDORE STRANO	53/CK3010, 108/CK3010, 7/C37301	53/CK3010, 108/CK3010, 7/C37301	Elliott Gregory B - Zone 073	Coastal Burnett Unit 1	Any	291
BUNDABERG SUGAR LTD	75/CK2593, 76/RP806284	75/CK2593, 76/RP806284	Elliott Gregory B - Zone 073	Coastal Burnett Unit 1	Any	395

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
TREVOR RONALD STEINHARDT, KEVIN JOHN STEINHARDT, JANELLE GAYE GERRY	119/CK3262, 21/C371179	119/CK3262, 21/C371179	Elliott Gregory B - Zone 073	Coastal Burnett Unit 1	Any	500
NORMAN LESLIE PLATH, VALERIE JOAN PLATH, JEFFREY NORMAN PLATH	1011/C37574, 1486/C37782, 1168/C37663, 11/C37912	1011/C37574, 1486/C37782, 1168/C37663, 11/C37912	Elliott Gregory B - Zone 073	Coastal Burnett Unit 1	Any	583
ANTHONY LEONE RICCIARDI, KATHLEEN THERESA RICCIARDI	87/CK2775	87/CK2775	Elliott Gregory B - Zone 074	Coastal Burnett Unit 1	Any	70
BUNDABERG SUGAR LTD	88/CK2775	88/CK2775	Elliott Gregory B - Zone 074	Coastal Burnett Unit 1	Any	125
GIOVANNI SANTALUCIA	62/CK2649	62/CK2649	Elliott Gregory B - Zone 074	Coastal Burnett Unit 1	Any	233
GLENN JOSEPH SULLIVAN	3/RP115923	3/RP115923	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	34
SIMON JOSEPH RICCIARDI	79/CK2598	79/CK2598	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	74
ANTHONY LEONE RICCIARDI, KATHLEEN THERESA RICCIARDI	81/CK2596	81/CK2596	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	143
SIMON JOSEPH RICCIARDI	78/CK2600	78/CK2600	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	125
DARREN ALEXANDER PHILIP	66/CK2930	66/CK2930	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	143
MERYL MAY DILGER	80/CK2597	80/CK2597	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	148
BUNDABERG SUGAR LTD	115/CK2950, 116/CK2951	115/CK2950, 116/CK2951	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	154
ANTHONY LEONE RICCIARDI	77/CK2599	77/CK2599	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	199
BUNDABERG SUGAR LTD	82/CK2595	82/CK2595	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	199
FRANCES ANN PROTANI, LISA ANN MAHER,	3/RP103615, 1/RP115923, 65/CK1851,	3/RP103615, 1/RP115923, 65/CK1851,	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	395

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
CAROLYN JOY PROTANI, ROSS PROTANI	1/RP205007, 109/CK2950	1/RP205007, 109/CK2950				
FRANCO BONIFACIO DE PAPI	3/RP148609	3/RP148609	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	251
FRANCO BONIFACIO DE PAPI	1/RP205006, 2/RP115923	1/RP205006, 2/RP115923	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	310
NORMAN CHARLES PHILIP, PAULA MARY PHILIP	1/RP148609, 2/RP148609	1/RP148609, 2/RP148609	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	347
SAILPICK PTY LTD	71/CK2815	71/CK2815	Elliott Gregory B - Zone 075	Coastal Burnett Unit 1	Any	362
FRANCES ANN PROTANI, MARK PROTANI	47/CK3281	47/CK3281	Elliott Gregory B - Zone 076	Coastal Burnett Unit 1	Any	44
XENABOLT PTY LTD	46/CK1192, 63/CK1784	46/CK1192, 63/CK1784	Elliott Gregory B - Zone 076	Coastal Burnett Unit 1	Any	101
GARRY ROBERT WALK, SANDRA ROSEMAY WALK	349/CK3250	349/CK3250	Farnsfield B - Zone 077	Coastal Burnett Unit 1	Any	10
BUNDABERG SUGAR LTD	1/RP800145	1/RP800145	Farnsfield B - Zone 077	Coastal Burnett Unit 1	Any	44
JOHN WILLIAM HARNEY	273/CK1828	273/CK1828	Farnsfield B - Zone 077	Coastal Burnett Unit 1	Any	70
BUNDABERG SUGAR LTD	320/CK2839, 3/RP219684	320/CK2839, 3/RP219684	Farnsfield B - Zone 077	Coastal Burnett Unit 1	Any	77
DOROTHY TAYLOR	242/CK1405	242/CK1405	Farnsfield B - Zone 077	Coastal Burnett Unit 1	Any	92
NORMAN LESLIE PLATH, VALERIE JOAN PLATH, JEFFREY NORMAN PLATH	293/CK2172, 294/CK2172, 301/CK3282	293/CK2172, 294/CK2172, 301/CK3282	Farnsfield B - Zone 077	Coastal Burnett Unit 1	Any	108
JOSEPH JOHN RUSSO, JOHN ANTHONY RUSSO, PETER FRANCIS RUSSO, ANTHONY MARK RUSSO	386/C37781, 3/RP105715, 14/CK499	386/C37781, 3/RP105715, 14/CK499	Farnsfield B - Zone 077	Coastal Burnett Unit 1	Any	291
OIM #4 PTY LTD	246/CK1406, 247/CK1406, 248/CK1406, 289/CK1931	246/CK1406, 247/CK1406, 248/CK1406, 289/CK1931	Farnsfield B - Zone 077	Coastal Burnett Unit 1	Any	463

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
STEPHEN ROY HOFFMANN	32/RP863016	32/RP863016	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	48
JOHN WILLIAM HARNEY	1/AP3101	273/CK1828	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	70
JOHN FAINI	277/CK1820	277/CK1820	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	74
GERARD CHRISTOPHER RUSSO, ERICA ANOUSKA JESSICA RUSSO	1/RP96306	1/RP96306	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	76
FARNSFIELD PTY LTD	191/RP835545	191/RP835545	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	125
RUSCO DEVELOPMENTS PTY LTD	256/CK1407	256/CK1407	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	125
JAMES HENRY CARNEY LOIS ANN CARNEY	255/SP193493	255/SP193493	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	125
JOSEPH JOHN RUSSO, JOHN ANTHONY RUSSO, PETER FRANCIS RUSSO, ANTHONY MARK RUSSO	274/CK1828, A/AP7824	274/CK1828	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	134
GRAHAM GEORGE WEBB	254/CK1402	254/CK1402	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	168
JOSEPH JOHN RUSSO, JOHN ANTHONY RUSSO, PETER FRANCIS RUSSO, ANTHONY MARK RUSSO	251/CK1401	251/CK1401	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	242
GERARD CHRISTOPHER RUSSO	250/CK1401	250/CK1401	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	198
DARRYL WAYNE RAPLEY, ROBYN JOY RAPLEY	276/CK1820	276/CK1820	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	199
GERARD CHRISTOPHER RUSSO, ERICA ANOUSKA JESSICA RUSSO	333/CK2970, 1SP238071, 249SP238071	333/CK2970, 1SP238071, 249SP238071	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	247

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
JOSEPH JOHN RUSSO, JOHN ANTHONY RUSSO, PETER FRANCIS RUSSO, ANTHONY MARK RUSSO	31/RP863016	31/RP863016	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	251
GIATANO BARBERA, MR FARMS PTY LTD, ROBERTO BARBERA	252/CK1402	252/CK1402	Farnsfield B - Zone 078	Coastal Burnett Unit 1	Any	363

Table 2: Details of purpose 'Any' water licences in unit 2¹⁴

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
EMDEX PTY LTD	2/RP146333, 3/RP147401, 4/RP147401	2/RP146333, 3/RP147401, 4/RP147401, 80/CK2681	Fairymead B - Zone 097	Coastal Burnett Unit 2	Any	2344
MAURICE ISIDORE STRANO	53/CK3010, 108/CK3010, 7/C37301	53/CK3010, 108/CK3010, 7/C37301	Fairymead B - Zone 099	Coastal Burnett Unit 2	Any	108
TREVOR RONALD STEINHARDT, KEVIN JOHN STEINHARDT, JANELLE GAYE GERRY	1478/CK3028	1478/CK3028	Fairymead B - Zone 099	Coastal Burnett Unit 2	Any	291
BRUCE GAVIN PETERSON, JOANNE RAE PETERSON	279/CK1845	279/CK1845	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	74
CROMGATE PTY LTD	259/CK1409	259/CK1409	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	199
CROMGATE PTY LTD	318/CK2826, 3/RP836854, 4/RP836854	318/CK2826, 3/RP836854, 4/RP836854	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	246
GAVIN ERNEST PETERSON, FAY IRENE PETERSON	278/CK1845	278/CK1845	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	108
GAVIN ERNEST PETERSON, FAY IRENE PETERSON	283/CK814801	283/CK814801	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	108
JOSEPH JOHN RUSSO, JOHN ANTHONY RUSSO, PETER FRANCIS RUSSO, ANTHONY MARK RUSSO	258/SP219683	258/SP219683	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	74
JOSEPH JOHN RUSSO, JOHN ANTHONY RUSSO, PETER FRANCIS RUSSO, ANTHONY MARK RUSSO	129/CK2039, 245/CK1406	129/CK2039, 245/CK1406	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	277
MAX ROSS HENKE, MERRYN HENKE	284/SP225005	284/SP225005	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	291

¹⁴ Details correct as at 15 November 2010. Any changes to water entitlements that occurred after this date and up to commencement of this plan will be recorded on the Water Allocations Register.

Licensee	Activity parcel(s)	Attached Parcel(s) (lot/plan)	Location	Groundwater unit	Purpose	Nominal entitlement (ML/water year)
MAX ROSS HENKE, MERRYN HENKE, MAXWELL ROSS HENKE, FREDERICK DUVER HENKE, EDITH MILLICENT HENKE	303/CK3017	303/CK3017	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	209
NORMAN LESLIE PLATH, VALERIE JOAN PLATH, JEFFREY NORMAN PLATH	293/CK2172, 294/CK2172, 301/CK3282	293/CK2172, 294/CK2172, 301/CK3282	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	325
OIM #4 PTY LTD	246/CK1406, 247/CK1406, 248/CK1406, 289/CK1931	246/CK1406, 247/CK1406, 248/CK1406, 289/CK1931	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	844
PATRICK JOSEPH HARNEY, JILL THERESA HARNEY	1004/C37573, 134/CK2888, 137/CK502	1004/C37573, 134/CK2888, 137/CK502	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	242
PHILLIP ANTHONY GERRARD MARANO, LEONA ANNE MARANO	306/CK2614	306/CK2614	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	48
ROSE MARIE RUSSO	257/CK1408, 302/CK3147	257/CK1408, 302/CK3147	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	217
TREVOR RONALD STEINHARDT, KEVIN JOHN STEINHARDT, JANELLE GAYE GERRY	1/RP215573, 2/RP215573, 3/RP215573	1/RP215573, 2/RP215573, 3/RP215573	Fairymead B - Zone 100	Coastal Burnett Unit 2	Any	44

Attachment 6.2B Coastal Burnett GMA: Water sharing rules for water licences

1 Scope of attachment 6.2B

This attachment applies to water licences to take unsupplemented groundwater located in sub-areas Kolan-Burnett B, Burnett-Elliott B, Elliott-Gregory B, Farnsfield B and Fairymead B of the Coastal Burnett GMA that state a nominal entitlement.

This attachment does not apply to water licences with a purpose of 'agricultural dewatering'

2 Water year

The water year is from 1 July in any year until 30 June in the year following.

3 Announced entitlement

1. The announced entitlement (AE) is the proportion of a water licence's nominal entitlement volume that a licence holder is entitled to extract for a given water year.
2. The chief executive must:
 - a) Calculate and set the announced entitlement for water licences for each zone to take effect on the first day of each water year in accordance with section 3.1; and
 - b) Make a recalculation of the announced entitlement for a zone quarterly or following a significant recharge event, in accordance with section 3.1; and
 - c) Reset the announced entitlement for a zone if a recalculation indicates that the set announced entitlement would increase by five or more percentage points; and
 - d) Publish details of the set announced entitlement for each zone in the Coastal Burnett GMA within five business days of setting or resetting an announced entitlement.
3. In this section —
publish details refers to updating the department's website at www.dnrm.qld.gov.au with announced entitlement changes.

3.1 Announced entitlement calculation

For each zone in the Coastal Burnett that contains water licences to which this attachment applies, the announced entitlement must be calculated as follows:

- a) Determine the groundwater level for each assessment site in the relevant zone group mentioned in Attachment 6.2C

- b) Round down each level to a corresponding water level mentioned in the table
- c) For each level determined in the previous step, select the corresponding announcement factor for that site.
- d) Determine the announced entitlement using equation 1 and round the result to the nearest five per cent.

Equation 1:

$$AE_{WL} = (f_1 + f_2 \dots + f_n) / n$$

Where:

AE_{WL} = Announced Entitlement for water licences

n = number of assessment sites for each respective zone

f_i = announcement factor for a particular assessment site

4 Seasonal water assignment rules

The chief executive may only approve a seasonal water assignment of all or part of the water that may be taken under a water licence where—

- a) the seasonal water assignment will be for taking water from a lot/plan within the location zone stated on the licence; and
- b) the volume of the seasonal water assignment is no greater than the unused nominal entitlement that may be taken under the authority of the water licence.

Attachment 6.2C Coastal Burnett GMA: Water licence announced entitlement decision tables

Assessment site geographical locations in this attachment are stated in eastings (E) and northings (N) as Map Grid of Australia 1994 (MGA94) zone 56 coordinates.

Table 1: Index of announced entitlement decision tables

Zone Group	Zones	Table number
ZG07	021	2
ZG08	022	3
ZG09	023	4
ZG10	024	5
ZG19	061	6
ZG20	062	7
ZG25	069	8
ZG26	070	9
ZG27	071	10
ZG29	073	11
ZG30	074	12
ZG31	075	13
ZG32	076	14
ZG33	077	15
ZG34	078	16
ZG43	097	17
ZG45	099	18
ZG46	100	19

Table 2: Zone group 07—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 416252 N: 7262861	Groundwater level metres AHD Assessment site 2 E: 417179 N: 7264371	Groundwater level metres AHD Assessment site 3 E: 417365 N: 7261858	Announcement factor %
0.00	0.00	0.00	0
0.12	0.11	0.12	5
0.24	0.21	0.24	10
0.36	0.32	0.36	15
0.48	0.42	0.48	20
0.60	0.53	0.60	25
0.72	0.63	0.72	30
0.84	0.74	0.84	35

Groundwater level metres AHD Assessment site 1 E: 416252 N: 7262861	Groundwater level metres AHD Assessment site 2 E: 417179 N: 7264371	Groundwater level metres AHD Assessment site 3 E: 417365 N: 7261858	Announcement factor %
0.96	0.84	0.96	40
1.08	0.95	1.08	45
1.20	1.05	1.20	50
1.32	1.16	1.32	55
1.44	1.26	1.44	60
1.56	1.37	1.56	65
1.68	1.47	1.68	70
1.80	1.58	1.80	75
1.92	1.68	1.92	80
2.04	1.79	2.04	85
2.16	1.89	2.16	90
2.28	2.00	2.28	95
2.40	2.10	2.40	100

Table 3: Zone group 08—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 419637 N: 7256444	Groundwater level metres AHD Assessment site 2 E: 418995 N: 7258090	Announcement factor %
19.62	12.67	0
20.28	13.50	5
20.93	14.33	10
21.59	15.16	15
22.24	15.99	20
22.90	16.82	25
23.55	17.65	30
24.21	18.48	35
24.86	19.31	40
25.52	20.14	45
26.17	20.97	50
26.83	21.80	55
27.48	22.63	60
28.14	23.46	65
28.79	24.29	70
29.45	25.12	75
30.10	25.95	80
30.76	26.78	85
31.41	27.61	90
32.07	28.44	95
32.72	29.27	100

Table 4: Zone group 09—announced entitlement decision table

Groundwater level metres AHD assessment site 1 E: 425807 N: 7249554	Groundwater level metres AHD assessment site 2 E: 426311 N:7251112	Announcement factor %
3.53	2.84	0
3.74	2.92	5
3.95	3.01	10
4.17	3.09	15
4.38	3.17	20
4.59	3.26	25
4.80	3.34	30
5.01	3.42	35
5.23	3.50	40
5.44	3.59	45
5.65	3.67	50
5.86	3.75	55
6.07	3.84	60
6.29	3.92	65
6.50	4.00	70
7.00	4.16	75
7.50	4.32	80
8.00	4.48	85
8.50	4.64	90
9.00	4.80	95
9.50	4.96	100

Table 5: Zone group 10—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 417282 N:7243758	Groundwater level metres AHD Assessment site 2 E: 413884 N:7243245	Groundwater level metres AHD Assessment site 3 E: 419231 N:7245428	Announcement factor %
39.99	42.81	35.75	0
40.44	43.40	36.18	5
40.89	43.99	36.62	10
41.34	44.58	37.05	15
41.78	45.17	37.48	20
42.23	45.76	37.91	25
42.68	46.35	38.35	30
43.13	46.94	38.78	35
43.58	47.53	39.21	40
44.03	48.12	39.64	45
44.48	48.71	40.08	50
44.92	49.29	40.51	55
45.37	49.88	40.94	60
45.82	50.47	41.37	65
46.27	51.06	41.81	70
46.72	51.65	42.24	75
47.17	52.24	42.67	80
47.61	52.83	43.10	85
48.06	53.42	43.54	90
48.51	54.01	43.97	95
48.96	54.60	44.40	100

Table 6: Zone group 19—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 426258 N:7241438	Groundwater level metres AHD Assessment site 2 E: 426956 N:7242627	Groundwater level metres AHD Assessment site 3 E: 428145 N:7243710	Announcement factor %
23.50	28.18	23.40	0
23.91	28.52	23.73	5
24.31	28.87	24.07	10
24.72	29.21	24.40	15
25.12	29.56	24.74	20
25.53	29.90	25.07	25
25.94	30.24	25.41	30
26.34	30.59	25.74	35
26.75	30.93	26.08	40
27.15	31.28	26.41	45

Groundwater level metres AHD Assessment site 1 E: 426258 N:7241438	Groundwater level metres AHD Assessment site 2 E: 426956 N:7242627	Groundwater level metres AHD Assessment site 3 E: 428145 N:7243710	Announcement factor %
27.56	31.62	26.75	50
27.97	31.96	27.08	55
28.37	32.31	27.42	60
28.78	32.65	27.75	65
29.18	33.00	28.09	70
29.59	33.34	28.42	75
30.00	33.68	28.75	80
31.17	34.51	29.94	85
32.34	35.34	31.13	90
33.51	36.16	32.31	95
34.68	36.99	33.55	100

Table 7: Zone group 20—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 432331 N:7236579	Groundwater level metres AHD Assessment site 2 E: 428379 N:7240320	Announcement factor %
16.95	27.70	0
17.42	27.93	5
17.90	28.16	10
18.37	28.39	15
18.84	28.62	20
19.32	28.85	25
19.79	29.08	30
20.26	29.31	35
20.74	29.54	40
21.21	29.77	45
21.68	30.00	50
22.15	30.60	55
22.63	31.21	60
23.10	31.81	65
23.57	32.42	70
24.05	33.02	75
24.52	33.62	80
24.99	34.23	85
25.46	34.83	90
25.94	35.44	95
26.41	36.04	100

Table 8: Zone group 25—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 452526 N:7222669	Announcement factor %
2.01	0
2.06	5
2.11	10
2.16	15
2.21	20
2.26	25
2.31	30
2.36	35
2.41	40
2.46	45
2.51	50
2.56	55
2.61	60
2.66	65
2.71	70
2.76	75
2.81	80
2.86	85
2.91	90
2.96	95
3.01	100

Table 9: Zone group 26—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 434366 N:7224716	Announcement factor %
36.55	0
36.94	5
37.33	10
37.72	15
38.11	20
38.50	25
38.89	30
39.28	35
39.67	40
40.06	45

Groundwater level metres AHD Assessment site 1 E: 434366 N:7224716	Announcement factor %
40.45	50
40.84	55
41.23	60
41.62	65
42.01	70
42.40	75
42.79	80
43.18	85
43.57	90
43.96	95
44.35	100

Table 10: Zone group 27—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 432532 N:7226181	Announcement factor %
25.02	0
25.25	5
25.48	10
25.71	15
25.95	20
26.18	25
26.41	30
26.64	35
26.87	40
27.10	45
27.34	50
27.57	55
27.80	60
28.03	65
28.26	70
28.49	75
28.72	80
28.96	85
29.19	90
29.42	95
29.65	100

Table 11: Zone group 29—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 429569 N:7226924	Announcement factor %
33.33	0
33.45	5
33.58	10
33.70	15
33.82	20
33.94	25
34.07	30
34.19	35
34.31	40
34.43	45
34.56	50
34.68	55
34.80	60
34.92	65
35.05	70
35.17	75
35.29	80
35.41	85
35.54	90
35.66	95
35.78	100

Table 12: Zone Group 30—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 427812 N:7230670	Groundwater level metres AHD Assessment site 2 E: 432714 N:7235424	Announcement factor %
50.00	20.00	0
50.27	20.30	5
50.54	20.60	10
50.81	20.90	15
51.08	21.20	20
51.35	21.50	25
51.61	21.80	30
51.88	22.10	35
52.15	22.40	40
52.42	22.70	45

Groundwater level metres AHD Assessment site 1 E: 427812 N:7230670	Groundwater level metres AHD Assessment site 2 E: 432714 N:7235424	Announcement factor %
52.69	23.00	50
52.96	23.30	55
53.23	23.60	60
53.50	23.90	65
53.77	24.20	70
54.04	24.50	75
54.30	24.80	80
54.57	25.10	85
54.84	25.40	90
55.11	25.70	95
55.38	26.00	100

Table 13: Zone group 31—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 424002 N:7227919	Groundwater level metres AHD Assessment site 2 E: 425880 N:7229349	Announcement factor %
59.35	53.03	0
59.73	53.36	5
60.10	53.69	10
60.48	54.02	15
60.86	54.35	20
61.23	54.69	25
61.61	55.02	30
61.99	55.35	35
62.36	55.68	40
62.74	56.01	45
63.12	56.34	50
63.49	56.67	55
63.87	57.00	60
64.25	57.33	65
64.62	57.66	70
65.00	58.00	75
65.77	59.08	80
66.54	60.15	85
67.30	61.23	90
68.07	62.30	95
68.84	63.38	100

Table 14: Zone group 32—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 422683 N:7227766	Groundwater level metres AHD Assessment site 2 E: 422335 N:7228666	Announcement factor %
62.35	62.69	0
62.97	63.01	5
63.59	63.32	10
64.21	63.64	15
64.84	63.95	20
65.46	64.27	25
66.08	64.58	30
66.70	64.90	35
67.32	65.21	40
67.94	65.53	45
68.57	65.85	50
69.19	66.16	55
69.81	66.48	60
70.43	66.79	65
71.05	67.11	70
71.67	67.42	75
72.29	67.74	80
72.92	68.05	85
73.54	68.37	90
74.16	68.68	95
74.78	69.00	100

Table 15: Zone group 33—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 426600 N:7225127	Groundwater level metres AHD Assessment site 2 E: 426456 N:7223997	Announcement factor %
44.69	53.95	0
45.26	54.15	5
45.84	54.35	10
46.41	54.55	15
46.98	54.76	20
47.56	54.96	25
48.13	55.16	30
48.70	55.36	35
49.27	55.56	40
49.85	55.76	45

Groundwater level metres AHD Assessment site 1 E: 426600 N:7225127	Groundwater level metres AHD Assessment site 2 E: 426456 N:7223997	Announcement factor %
50.42	55.97	50
50.99	56.17	55
51.57	56.37	60
52.14	56.57	65
52.71	56.77	70
53.29	56.97	75
53.86	57.17	80
54.43	57.38	85
55.00	57.58	90
55.58	57.78	95
56.15	57.98	100

Table 16: Zone group 34—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 426457 N:7221699	Groundwater level metres AHD Assessment site 2 E: 425269 N:7219545	Announcement factor %
65.51	70.15	0
66.13	70.63	5
66.75	71.11	10
67.38	71.60	15
68.00	72.08	20
68.62	72.56	25
69.24	73.04	30
69.86	73.52	35
70.49	74.01	40
71.11	74.49	45
71.73	74.97	50
72.35	75.45	55
72.97	75.93	60
73.60	76.42	65
74.22	76.90	70
74.84	77.38	75
75.46	77.86	80
76.08	78.34	85
76.71	78.83	90
77.33	79.31	95
77.95	79.79	100

Table 17: Zone group 43—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 433362 N:7227586	Announcement factor %
20.00	0
20.42	5
20.84	10
21.26	15
21.68	20
22.10	25
22.52	30
22.94	35
23.36	40
23.78	45
24.20	50
24.61	55
25.03	60
25.45	65
25.87	70
26.29	75
26.71	80
27.13	85
27.55	90
27.97	95
28.39	100

Table 18: Zone group 45—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 431621 N:7226358	Announcement factor %
25.85	0
25.99	5
26.14	10
26.28	15
26.43	20
26.57	25
26.72	30
26.86	35
27.01	40
27.15	45

Groundwater level metres AHD Assessment site 1 E: 431621 N:7226358	Announcement factor %
27.30	50
27.44	55
27.58	60
27.73	65
27.87	70
28.02	75
28.16	80
28.31	85
28.45	90
28.60	95
28.74	100

Table 19: Zone group 46—announced entitlement decision table

Groundwater level metres AHD Assessment site 1 E: 429618 N:7223006	Groundwater level metres AHD Assessment site 2 E: 429210 N:7224026	Announcement factor %
32.40	32.83	0
33.13	33.43	5
33.85	34.04	10
34.58	34.64	15
35.30	35.25	20
36.03	35.85	25
36.75	36.46	30
37.48	37.06	35
38.20	37.67	40
38.93	38.27	45
39.65	38.87	50
40.38	39.48	55
41.10	40.08	60
41.83	40.69	65
42.55	41.29	70
43.28	41.90	75
44.00	42.50	80
45.12	43.57	85
46.25	44.64	90
47.37	45.71	95
48.49	46.78	100

Attachment 6.3A Coastal Burnett GMA: Details of purpose 'agricultural dewatering' water licences

Table 1: Details of purpose 'agricultural dewatering' water licences to replace existing authorities

Family name/company	Replaced authorisation	Purpose	Activity and attached parcel(s) (lot/plan)	Groundwater Unit	Special conditions
AINSLIE CHRISTINA SCHONROCK, JOHN DAVID SCHONROCK	42920B	Agricultural dewatering	22/RP86214	Coastal Burnett Unit 1	The licence must state the conditions detailed in Chapter 6, section 6.1.3.4
AMARYLLYS HOLDING COMPANY PTY LTD	172504	Agricultural dewatering	1/CP899707, 3/RP129433	Coastal Burnett Unit 1	The licence must state the conditions detailed in Chapter 6, section 6.1.3.4
AUSTRAL MASONRY (QLD) PTY LTD	172241	Agricultural dewatering	4/RP894746	Coastal Burnett Unit 1	The licence must state the conditions detailed in Chapter 6, section 6.1.3.4
BUNDABERG REGIONAL COUNCIL	53125B	Agricultural dewatering	15/RP83487	Coastal Burnett Unit 1	The licence must state the conditions detailed in Chapter 6, section 6.1.3.4
FORTUNATO GALEA	172253	Agricultural dewatering	8/RP850028	Coastal Burnett Unit 1	The licence must state the conditions detailed in Chapter 6, section 6.1.3.4

Table 2: Details of dewatering licences amended under the resource operations plan

Family name/company	Authorisation	Purpose	Activity and attached parcel(s) (lot/plan)	Groundwater Unit	Special conditions
GARY DINGLE, SANDRA DINGLE	65746B	Agricultural dewatering	2SP182161	Coastal Burnett Unit 1	The licence must state the conditions detailed in Chapter 6, section 6.1.3.4
JOSEPH GALEA, BARBARA GALEA	41640B1	Agricultural dewatering	24RP86214	Coastal Burnett Unit 1	The licence must state the conditions detailed in Chapter 6, section 6.1.3.4

Attachment 9.1 Implementation schedule

The following requirements will be implemented within the time frames specified.

1 Water supply schemes

The Burnett Basin ROP was approved by the Governor in Council on 29 May 2003 and came into effect on 2 June 2003. The operational arrangements for the Bundaberg and Upper Burnett Water Supply Schemes commenced on 1 July 2003.

1.1 Upper Burnett Water Supply Scheme

For the Upper Burnett Water Supply Scheme, the operating arrangements in Chapter 4, Sections 4.2.5, 4.2.6, 4.2.7, 4.2.8 and 4.3 took effect at the start of the first water year following the commencement of the amendment to the ROP (November 2005).

1.2 Bundaberg Water Supply Scheme

For the Bundaberg Water Supply Scheme, the operating arrangements in Chapter 4, Sections 4.1.5, 4.1.6, 4.1.7, 4.1.8 and 4.3 commenced at the start of the 2006/07 water year.

1.3 Barker Barambah Water Supply Scheme

For the Barker Barambah Water Supply Scheme, Attachments 4.3E, 4.3F, 4.3G and 4.3H took effect at the start of the first water year following the commencement of the amendment to the ROP (November 2005).

1.4 Boyne River and Tarong Water Supply Scheme

For the Boyne River and Tarong Water Supply Scheme, Attachments 4.4E, 4.4F, 4.4G and 4.4H took effect at the start of the first water year following the commencement of the amendment to the ROP (December 2006).

2 Water management areas (surface water)

The operational arrangements for the Upper Burnett and Nogo River Water Management area and the Lower Burnett and Kolan River Water Management Area commenced on 1 July 2003.

2.1 Upper Burnett and Nogo River Water Management Area

For the Upper Burnett and Nogo River Water Management Area, Attachments 5.2C and 5.2D took effect at the start of the first water year following the release of the ROP (May 2003).

2.2 Lower Burnett and Kolan River Water Management Area

For the Upper Burnett and Kolan River Water Management Area, Attachments 5.1C and 5.1D took effect at the start of the first water year following the release of the ROP (May 2003).

2.3 Barker Barambah Creeks Water Management Area

For the Barker Barambah Creeks Water Management Area, Attachments 5.3C and 5.3D took effect at the start of the first water year following the commencement of the amendment to the ROP (November 2005).

2.4 Boyne and Stuart Rivers Water Management Area

For the Boyne and Stuart Rivers Water Management Area, Attachments 5.4C and 5.4D take effect at the start of the first water year following the commencement of the amendment to the ROP (December 2006). In the interim, the chief executive will manage the Boyne and Stuart Rivers Water Management Area in accordance with the management arrangements in effect immediately prior to the commencement of the amendment to the ROP.

In subsequent years, the operating rules specified in Chapter 5 apply.

3 Groundwater management areas

3.1 Coastal Burnett groundwater management area

For the Coastal Burnett groundwater management area the implementation of Attachments 6.1B, 6.1C will take effect upon commencement of the amendment to the ROP.

Upon commencement of the amendment to the ROP, the announced entitlement in place for a converting authorisation immediately before the commencement, will be taken to be the announced entitlement for an allocation under Attachment 6.1B, section 3 (2) (a).

For the Coastal Burnett groundwater management area the implementation of Attachment 6.2B will take effect at the start of the first water year following the commencement of the amendment to the ROP.

4 Information required in Chapters 3 and 4

Additional information to be supplied by the ROL holder regarding rules and monitoring details required in Chapters 3 and 4 will take effect from the water year following the chief executive's approval of the additional information unless specified otherwise in the ROP or in the approval of the chief executive.

Attachment**92****Amendment history the Resource Operations Plan****Overview**

The Burnett Basin Resource Operations Plan was originally released on 29 May 2003 and has been amended as detailed below.

Revision 1 (23 October 2003) under section 106 of the Water Act 2000

(a) Amendment of Attachment 4.1F, section 2.2, dot point 2, page 134

1. Insert

from 1 July 2005 the resultant distribution of water supplied in a water year lies within the ranges shown in Tables 1 and 2 in Attachment 4.1H.

(b) Amendment of Attachment 4.2F, section 2.2, dot point 2, page 176

Insert

from 1 July 2005 the resultant distribution of water supplied in a water year lies within the scenario provided for in Tables 1 and 2 in Attachment 4.2H.

(c) Amendment of Attachment 4.2H, section 1.1, page 192

Replace

Table 2

with the following

Table 2 Permitted distributions of medium priority water allocations and IWAs in the Upper Burnett Water Supply Scheme by zone

Zone	GA	GB	MA	NA	NB	NC	OA	OB	OC	OD	PA	SA	SB
Minimum nominal volume of medium priority water allocation (ML)	3 817	913	883	1 951	3 488	2 411	5 863	6 405	0	0	0	0	0
Maximum nominal volume of medium priority water allocation (ML)	3 967	963	993	2 201	3 738	3 261	6 653	7 005	283	1560	1560	0	50

(d) Amendment of Attachment 5.1D, section 1.1, page 203

Replace

Table 1

with the following

Table 1: Change limits: maximum and minimum nominal volumes by zone

Zones	AA	AB	AC	CA	CB
Minimum nominal volume of high priority water allocation (ML)	223	170	788	1 828	646
Maximum nominal volume of high priority water allocation (ML)	335	0	466	1 082	382

(e) Omission of disclaimer on inner title page

Revision 2 (4 December 2003) under section 106 of the *Water Act 2000*

(a) Amendment of Attachment 5.1D, section 1.1, page 203

2. Replace

Table 1

with the following

Table 1 Change limits: maximum and minimum nominal volumes by zone

Zones	AA	AB	AC	CA	CB
Maximum nominal volume (ML)	335	170	788	1 828	646
Minimum nominal volume (ML)	223	0	466	1 082	382

Revision 3 (April 2005) under section 106 of the *Water Act 2000*.

Revision 4 (November 2005) under sections 105 and 106 of the *Water Act 2000*.

Revision 5 (April 2006) under section 106 of the *Water Act 2000*.

(a) Amendment of Attachment 9.2, section 1.3, page 300

Insert

In the interim, the ROL holder for the Barker Barambah Water Supply Scheme must operate in accordance with the rule:

- Specified in the expired interim resource operations licence for the Barker Barambah Water Supply Scheme issued to Sun Water dated December 2004 as it applied prior to the commencement of this Plan, with the exception of part 9 of section 2.3 of the Interim Resource Operations Licence, where section 2.7 of Attachment 4.3E of the ROP applies from commencement.

(b) Amendment of Attachment 9.2, section 1.3, pages 300 and 301

Insert

The total volume of water of an unused portion of a water allocation under rules as applied on 30 June 2006, may be carried over in accordance with section 2.1 of Attachment 4.3F in the water year 2006/07.

Revision 6 (December 2006) under sections 105 and 106 of the *Water Act 2000*.

Revision 7 (June 2007) under section 106 of the *Water Act 2000*.

Revision 8 (November 2007) under section 106 of the *Water Act 2000*.

Revision 9 (June 2008) under section 106 of the *Water Act 2000*.

Revision 10 (August 2009) under section 106 of the *Water Act 2000*.

Revision 11 (April 2010) under section 106 of the *Water Act 2000*.

Revision 12 (August 2014) under section 106 of the *Water Act 2000*.

Glossary

TERM	DEFINITION
1.5 year average recurrence interval (ARI) daily flow volume	1.5 year ARI: the daily flow volume that has a 67% probability of being reached at least once a year.
5 year average recurrence interval (ARI) daily flow volume	5 year ARI: the daily flow volume that has a 20% probability of being reached at least once a year.
agricultural dewatering	extracting groundwater using a bore for the specific purpose of lowering a high groundwater table where the water level is adversely impacting on agricultural activities.
AHD	refers to Australian Height Datum, a geodetic datum for altitude measurement in Australia.
annual volumetric limit	for the purpose of this Plan, the annual volumetric limit, refers to the maximum volume of water authorised to be taken under an unsupplemented water allocation or water licence.
aquatic habitat	the type of environment that relies on water, in which a given animal or plant lives and grows, including physical and biological conditions. Some of the attributes that contribute to aquatic habitat include – substrate type, stream flow, stream depth, presence of large and small woody debris, shade provided by trees, presence and type of aquatic vegetation.
aquatic vegetation	plants that live entirely or primarily in or on water.
ARMCANZ	Agriculture and Resource Management Council of Australia and New Zealand.
authorised dewatering bore	a bore that has been shown to be effective at dewatering in accordance with the department's agricultural dewatering pumping trial guidelines; or a bore replacing an authorised dewatering bore (a ' <i>replacement dewatering bore</i> ')
barrage	is a barrier constructed across a watercourse to prevent the inflow of tidal water.
basin	a river basin, which is the total area from which water drains to a river system or a grouping of adjacent river systems.
catchment	the area above a specific point on a watercourse from which water drains to the watercourse.
cease to flow	for a waterhole the level at which water stops flowing from a waterhole over its downstream control.
channel system	a system of channels, canals, pumps and pipelines and other works used for the distribution of water to water users within a water project area.

Coastal Burnett GMA model base case	means the MODFLOW hydrological groundwater model configured to simulate the distribution of groundwater entitlements and the associated water sharing arrangements specified for the Coastal Burnett GMA at the time of the release of the draft plan amendment to include that area. The base case simulation period is from 1 January 1905 to 31 December 2004.
confluence	the point where two or more watercourses meet.
corresponding decision piezometer	the piezometer(s) that has been used to demonstrate the effectiveness of dewatering, using the authorised dewatering bore, in accordance with the departmental agricultural dewatering pumping trial guidelines and has been constructed and maintained in accordance with the departmental agricultural dewatering pumping trial guidelines; or a piezometer replacing a corresponding decision piezometer (a 'replacement piezometer')
critical water supply arrangements	for a water supply scheme, a plan for the management of water during periods of critical water shortage when the storage levels in dams, weirs or waterholes are at or below minimum operating levels specified in the ROP.
cumecs	cubic metres per second (m ³ /s), a measurement of the rate at which a volume of water passes through a cross-section per unit of time.
cyanobacteria	also know as blue green algae. Naturally occurring microscopic, primitive photosynthetic bacteria.
daily flow	for a node, the volume of water that flows past the node in a day.
dead storage	for a dam or weir, the specified minimum volume of water within the ponded area of the storage that cannot be released or used from the storage under normal operating conditions.
decision piezometer	means the piezometer nominated by the chief executive that is to be used in relation to assessing the ability to extract water under a water licence with a purpose of 'agricultural dewatering'
degradation	any decline from the natural state in the quality of natural resources.
DERM	Department of Environment and Resource Management (comprising former Department of Natural Resources and Water and former Environment Protection Agency)
development permit	as defined under the <i>Integrated Planning Act 1997</i> .
discharge	discharge is the rate at which a volume of water passes through a cross-section per unit of time. This could be measured in cubic metres per second (cumecs or m ³ /s) or in megalitres per day (ML/day).
EIS	Environmental Impact Statement.
EPA	Environmental Protection Agency.
estuarine	referring to the mouth of the river and the lower part of the river where river flows interact with the ocean's tide.

flow preference groups	in the indices of flow velocity and substrate preference groups, families of macroinvertebrates are assigned to a flow preference and a substrate preference group.
flow regime	the entire range of flows associated with a particular location or river reach and includes variations in river height or discharge, seasonality, annual variability or event duration.
flow regime class	the measure of flow regime seasonality worked out using the method stated in Haines, A.T., Finlayson, B.L. and McMahon, T.A., A global classification of river regimes. Applied Geography, 1988.
functional feeding groups	changes in functional feeding group composition reflect changes in food availability and ecological processes in and around streams and rivers. These changes are used to construct indices of trophic structure.
gauging station	the complete installation at a measuring site where water level and/or discharge records are regularly obtained.
geomorphology	study of the nature and history of the landforms on the surface of the Earth including rivers, and of the processes that create them.
high priority water allocation	a water allocation within a priority group for which the WASO (performance indicator) is in the range specified in the WRP.
hydrology	the study of water as it moves through the water cycle and includes the simulation of stream flows in river systems.
interim resource operations licence (IROL)	a licence granted under s.175 of the <i>Water Act 2000</i> . The purpose of an IROL is to make provision for how infrastructure and water are managed before the details have been established through an approved ROP.
low flow	the total number of days in the simulation period in which the daily flow is not more than half the pre-development median daily flow.
macroinvertebrate	any animal, without a backbone, that is easily seen by the naked eye. In aquatic ecosystems this generally refers to insect larvae, prawns and worms.
macrophytes	aquatic plants that can be seen by the unaided eye.
mean annual diversion	the long-term average annual volume of water diverted.
maximum instantaneous rate	for taking water, the maximum rate in litres a second (L/s).
mean annual flow	the total volume of flow in the simulation period divided by the number of years in the simulation period.
mean wet season flow	the total volume of flow during the months of January to March in the simulation period divided by the number of years in the simulation period.
medium priority water allocation	a water allocation within a priority group for which the WASO (performance indicator) is in the range specified in the WRP.
MGA94	is used in relation to geographical co-ordinates stated in the Map Grid of Australia 1994 (MGA94) Zone 56 datum.

multilevel inlet	an inlet arrangement on a dam or weir that allows stored water to be released downstream from selected levels below the stored water surface.
nominal allocation	the quantity of water apportioned under an existing authorisation for a regulated water supply.
nominal entitlement	is the volume of water authorised to be taken during a water year under a water licence.
normally depastured	the number of stock that can be put to graze on a given area of land.
NRW	Department of Natural Resources and Water
performance indicator	a measure that can be calculated to assess the impact of water allocation and management decisions on water entitlements and aquatic ecosystems.
PET richness	Plecoptera, Ephemeroptera and Trichoptera are the macroinvertebrate taxa most sensitive to changed conditions. PET richness is the total number of taxa of these three orders in a sample and is used to assess instream habitat and water quality.
pH	is a measure of the acidity or alkalinity of a substance, and the term pH is short for hydrogen potential.
plan area	the area shown as the plan area on Map A.
pool	a small, quiet, rather deep reach of a stream, as between rapids or where there is little current.
potential take volume	refers to the total volume of water authorised to be taken from a zone or zone group at a given point in time considering the current announced entitlement as well as any seasonal water assignments.
preferential access water allocations	water allocations belonging to a preferential access water allocation group
preferential access water allocation groups	refers to water allocation groups CB-KBA-A, CB-BEA-A, CB-EGA-A and CB-FMA-A, which includes water allocations converted from existing authorisations for 'town water supply' or 'urban' purposes.
priority area	the areas defined in Attachment 2.1 for the conversion of water allocations, operating rules and trading arrangements.
priority group	a grouping of water allocations for taking supplemented water from a water supply scheme with the same WASO.
QPI&F	Queensland Primary Industries and Fisheries.
rating table	a table (or a graph) relating the measured height of the river (gauge height) to the stream flow at that location. This is usually done at a stream flow gauging station.
refuge habitat	for a water storage a refuge for biota during dry periods. Refuge habitat for water storages is provided for in the ROP by specifying a minimum storage volume (dead storage) under normal operating conditions.

release	for water from a dam the water passes downstream from the dam either through the dam outlet works or over the dam spillway.
release rate	rate of release of water from a storage facility.
replacement dewatering bore	a bore replacing an existing authorised dewatering bore that is constructed: a) within 10 metres of the authorised dewatering bore; and b) to a depth no greater than the depth of the authorised dewatering bore.
replacement piezometer	a piezometer replacing an existing corresponding decision piezometer that is located within 10m of the corresponding decision piezometer and is constructed and maintained in accordance with the department's agricultural dewatering pumping trial guidelines.
riffle	a shallow area of the river in which water flows rapidly and often turbulently over stones or gravel.
riparian	the area adjacent to a watercourse.
riparian vegetation	vegetation bordering a river or stream which provides a direct link between the terrestrial and aquatic environment.
river-forming processes	a flow that structures and maintains the river channel features.
riverine	relating to rivers and their floodplains.
resource operations licence (ROL)	a licence granted under s.108 of the <i>Water Act 2000</i> . It authorises the holder to interfere with the flow of water to the extent necessary to operate the water infrastructure to which the licence applies.
seawater intrusion	means the movement inland of seawater into aquifers that contain freshwater
SIGNAL index	a methodology for the bioassessment of water quality and pollution based on the differing tolerances of macroinvertebrate families to water pollution.
standard access water allocations	water allocations belonging to a standard access water allocation group
standard access water allocation groups	refers to water allocation groups CB-KBA-B, CB-BEA-B, CB-EGA-B and CB-FMA-B, which includes water allocations converted from existing authorisations for purposes other than 'town water supply' or 'urban' purposes.
stratification	the layering effect which can occur in large water bodies. Often, the upper part of the water body becomes warmer than the lower part as a result of heating by the sun and if there is insufficient mixing of the water column two distinct layers can form. This can lead to a deterioration in water quality in the lower layer.
supplemented water	supplemented water means water supplied under an interim resource operations licence, resource operations licence or other authority to operate water infrastructure.

surface water	a) water in a watercourse, lake or spring; and b) water collected in a weir or dam constructed across a watercourse, lake or spring.
tailwater	the flow of water immediately downstream of a dam or weir. Tailwater includes all water passing the water storage, for example controlled releases and uncontrolled overflows.
technical advisory panel (TAP)	a scientific panel formed to provide technical advice in relation to environmental flow requirements.
thermocline	the depth in the water column of a dam or weir where a distinct change in temperature occurs due to stratification.
threshold	a nominated flow level above which water may be taken from a watercourse, lake or spring.
total allowable take volume	refers to the maximum volume of water that may be authorised to be taken in a zone or zone group at a given point in time considering the current announced entitlement.
transfer	of a ROL, an IROL or a water allocation, means the passing of the legal or beneficial interest in the licence or allocation.
unsupplemented water	unsupplemented water means water that is not supplemented water.
volume of water allocation	the maximum quantity of water that may be taken in a water year in accordance with the terms and conditions of a water allocation.
water account	refers to an account used by the department to reconcile the annual entitlement authorised to be taken by a water user, with the volumes of water that have been extracted or seasonally assigned.
water harvesting	the taking of unsupplemented water during specified high flow events, and generally involves the pumping of water into on-farm storage for later use.
waterhole	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 storage area of a dam on the watercourse.
zone	a geographic location defined by a reach of a watercourse. Zones are for defining the location of a water allocation and operational arrangements under the ROP.
zone group	a zone group is a group of zones to which similar management rules are applied. The relationship between zones and zone groups is detailed in Attachment 2.3 Table 1 and maps in sheets 2.3.3–2.3.11..