

5.6. DECLARATION OF SEWER AND WATER SERVICE AREAS WITHIN DOUGLAS SHIRE

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DEPARTMENT Water and Wastewater

RECOMMENDATION

That Council resolves to:

- 1. Declare that Douglas Shire Council is the service provider for the provision of reticulated water and sewerage services within Douglas Shire;**
- 2. Declare that the attached maps indicate the service areas within the coloured boundary (*relevant area*) for reticulated water and sewerage within Douglas Shire.**

EXECUTIVE SUMMARY

On 1 July 2019, The Water Supply (Safety and Reliability) Act 2008 (the Act) was amended. One of the amendments made was the mandatory declaration of service areas (for reticulated water and/or sewerage), through Council resolution, for service providers (see attached 5.4.1).

Part 5 of the Act details the current obligations and implications of declaring a service area (see attached 5.4.2).

Before this amendment to the Act, it was a voluntary declaration. Service areas declaration are important as they provide the basis for a guarantee of connection for all premises in the service area. A declared service area also enables service providers to recover the reasonable cost from customers for ensuring their networks are designed for and can deal with the service requirement of all premises on the service area.

Local governments must, within 12 months of the commencement of the amendment, make a service area declaration for reticulated water and/or sewerage service in its area. The declaration must also include who is responsible for the provision of the water and/or sewerage service.

BACKGROUND

A declaration of service area is required if a local government supplies a reticulated water service or sewerage service in all or part of the local government area (a relevant area). By resolution the local government must make this declaration. The declaration must be published, and a copy given to the regulator (DNMRE). After the declaration the local government must, as soon as practicable, also produce a map which details the service area boundaries for water and/or sewerage services and identify the location of the service providers' infrastructure.

Service area maps must be updated at least annually and made available for inspection and purchase. The Water and Wastewater team have created service area maps for water and sewer within Douglas Shire Council (see attachments 5.4.3 – 5.4.12).

These boundary maps have been developed by identifying properties that are currently subject to water and sewer rates, this data was then mapped, the boundaries were created from careful analysis of every parcel of land, which was a long and tedious process. The maps have received a final review from the Water Reticulation, Wastewater and Planning teams to ensure they are as accurately as possible and reflect the boundaries and supply areas. Particular nuances of supply relating to private mains, rural acreage under crop, difficult access, properties receiving untreated water, trunk water main access and pressure sewer mains have been addressed.

PROPOSAL

That Council resolves to:

1. Declare that Douglas Shire Council is the service provider for the provision of reticulated water and sewerage services within Douglas Shire;
2. Declare that the attached maps indicate the service areas within the coloured boundary (*relevant area*) for reticulated water and sewerage within Douglas Shire.

FINANCIAL CONSIDERATION

A declared service area also enables water and sewer service providers to recover the reasonable cost from customers to ensure the service providers networks are designed for and can deal with the service requirement of all premises on the service area.

SUSTAINABILITY IMPLICATIONS

Economic: Nil

Environmental: Nil

Social: Nil

CORPORATE/OPERATIONAL PLAN, POLICY REFERENCE

This report has been prepared in accordance with the following:

Corporate Plan 2019-2024 Initiatives:

Theme 3 - Leading Environmental Stewardship

Our visitors and residents deeply value the unparalleled environment in which we live. We recognise our responsibility in protecting and preserving our natural world for generations to come. We understand the strong link between the environment and the economy: they are interdependent. Douglas Shire will be at the forefront of environmental protection by developing strategies, setting policies, and working with all stakeholders to become the envy of and to inspire locations across Australia and the World.

Goal 3 - We will continue to build water infrastructure so that the Douglas Shire may enjoy water security and water quality.

COUNCIL'S ROLE

Council can play a number of different roles in certain circumstances and it is important to be clear about which role is appropriate for a specific purpose or circumstance. The implementation of actions will be a collective effort and Council's involvement will vary from information only through to full responsibility for delivery.

The following areas outline where Council has a clear responsibility to act:

Builder/Owner	Council makes a significant investment every year in the infrastructure that underpins the Shire through its capital works program. Council will manage its assets with appropriate frameworks and deliver its projects through robust project management.
Information Provider	Council provides the community with important information on services, events, policies, rules, strategies, and any other relevant data that helps the community to stay informed. In performing this role, Council seeks to be open and transparent.
Regulator	Council has a number of statutory obligations detailed in numerous regulations and legislative Acts. Council also makes local laws to ensure that the Shire is well governed. In fulfilling its role as regulator, Council will utilise an outcomes based approach that balances the needs of the community with social and natural justice.

CONSULTATION

Internal: Water, Wastewater and Planning teams

External: Mangoes Mapping

COMMUNITY ENGAGEMENT

Nil

ATTACHMENTS

1. Water regulation factsheet [5.6.1 - 2 pages]
2. Water supply safety and reliability act-2008 Part 5 [5.6.2 - 6 pages]
3. Port Douglas Sewer Service Area [5.6.3 - 5 pages]
4. Mossman Sewer Service Area [5.6.4 - 10 pages]
5. Daintree Water Service Area [5.6.5 - 1 page]
6. Lower Daintree (De Meio Rd) Water Service Area [5.6.6 - 1 page]
7. Killalee and Cassowary Water Service Area [5.6.7 - 15 pages]
8. Port Douglas and Mowbray Water Service Area [5.6.8 - 10 pages]
9. Mossman Water Service Area [5.6.9 - 12 pages]
10. Whyanbeel Water Service Area - Bamboo, Rocky Point, Syndicate, Miallo [5.6.10 - 15 pages]
11. Whyanbeel Water Service Area - Bamboo, Rocky Point, Syndicate, Miallo (bottom section) [5.6.11 - 11 pages]
12. Whyanbeel Water Service Area - Wonga Beach [5.6.12 - 1 page]

Changes to the *Water Supply (Safety and Reliability) Act 2008* and the *South East Queensland Water (Distribution and Retail Restructuring) Act 2009* – Overview of declared service area amendments

This information sheet provides an overview of key changes proposed to the *Water Supply (Safety and Reliability) Act 2008* (Water Supply Act) and the *South East Queensland Water (Distribution and Retail Restructuring) Act 2009* (SEQ Water Act). These proposed changes will amend the requirements for water service providers' declared service areas.

Service Areas

Queensland Water Service Providers (WSPs) have a long-standing voluntary power to declare service areas for retail water and sewerage services. A local government can declare another service provider other than themselves to be the service provider for a service area.

Service area declarations are important as they provide the basis for a guarantee of connection for all premises in the service area. A declared service area also enables water service providers to recover the reasonable costs from customers for ensuring their networks are designed for and can deal with the service requirements of all premises in the service area.

Amendments to service areas

Amendments to the Water Supply Act and SEQ Water Act under the *Natural Resources and Other Legislation Amendment Bill 2019*, will make declarations of service areas mandatory.

Local governments must within 12 months of the commencement of the amendments make a service area declaration for water and/or

sewerage services in its area. The declaration must also include who is responsible for the provision of the water and/or sewerage service. Existing retail providers will continue to be protected under these amendments as local governments cannot amend a service area declaration without their permission.

Local governments must make the declaration through a council resolution. The declaration must be published and a copy given the regulator.

After making a declaration the local government must, as soon as practicable, also publish a map which details the service area boundaries for water and/or sewerage services. The map must show the limits of the service areas and identify the location of the service provider's infrastructure. Service area maps must be updated at least annually.

Service areas and connection areas

Amendments are proposed to section 92BD of SEQ Water Act to reinstate for the SEQ local government WSPs the power to declare service areas under the Water Supply Act.

The reinstatement of the power to declare service areas will mean the SEQ local government WSPs will be subject to the same proposed requirements for service area declarations as other Queensland local governments. For the SEQ distributor-retailers

and withdrawn councils, the amendments will show that their service area is taken to be their connection area under their water netserv plan.

These amendments do not alter the existing service area framework for the SEQ distributor-retailers, however it will be made clear that only the relevant distributor-retailer or withdrawn council can supply retail water or sewerage services in their connection area.

Not Government Policy

Part 5 Service areas

Division 1 Preliminary

160 Definition for pt 5

In this part—

service provider, for a retail water service or sewerage service in a service area, means an entity declared under section 161 to be the service provider for the service in the service area.

Note—

See also the *South-East Queensland Water (Distribution and Retail Restructuring) Act 2009*, sections 53AQ and 92DB.

Division 2 Service areas

161 Declaration of service area

- (1) Subsection (2) applies if a local government, or a local government entity, supplies a reticulated water service or sewerage service in all or part of the local government area for the local government (a *relevant area*).
- (2) The local government must, by resolution, declare—
 - (a) the relevant area to be a service area for the reticulated water service or the sewerage service; and
 - (b) the local government, or the local government entity, to be the service provider for the service in the service area.
- (3) The declaration under subsection (2) must be made within 1 year after the local government, or the local government entity, first supplies the reticulated water service or the sewerage service in the relevant area.

Note—

See also section 676.

Water Supply (Safety and Reliability) Act 2008
Chapter 2 Infrastructure and service

[s 161]

- (4) Also, the local government may, by resolution, declare—
- (a) all or part of the local government area for the local government, other than a relevant area, to be a service area for a reticulated water service or sewerage service; and
 - (b) a stated service provider to be the service provider for the service in the service area.
- (5) A local government must not declare an entity, other than the local government or a local government entity, to be the service provider for a reticulated water service or sewerage service in all or part of the local government area for the local government unless the other entity agrees in writing to the declaration before the declaration is made.
- (6) A local government may, by resolution, amend a declaration made under this section by adding an area to, or removing an area from, the service area.
- (7) The local government must not amend a declaration made under this section without the written agreement of the service provider unless the service provider is the local government or a local government entity.
- (8) A resolution under this section takes effect on—
- (a) if the declaration states a day—the stated day; or
 - (b) otherwise—the day the declaration is made.
- (9) A local government must not declare an area to be a service area for a retail water service or a sewerage service if the area is already a service area for a service of the same type.
- (10) In this section—
- reticulated water service***—
- (a) means a water service that is the reticulation of water; but
 - (b) does not include—
 - (i) an irrigation service or bulk water service in any area; or

-
- (ii) the supply of recycled water in any area.

162 Notice of declaration of service area

If a local government makes or amends a declaration under section 161, the local government must—

- (a) publish a notice of the declaration or amendment; and
- (b) make the notice available for inspection and purchase under the Local Government Act; and
- (c) give the regulator a copy of the notice.

163 Map of service area

- (1) The service provider for a registered service in a service area must keep a map showing, for the service—
 - (a) the limits of the service area; and
 - (b) the location of the service provider's infrastructure.
- (2) The service provider must—
 - (a) if the service provider is not the local government—give the local government a copy of the map; and
 - (b) update the map at least annually.

Division 3 Access to services in service areas

164 Access to service in service area

- (1) The service provider must, to the greatest practicable extent, ensure that—
 - (a) all premises in the service area are able to be connected directly and separately to the service provider's infrastructure for the area; and
 - (b) if 2 or more premises are part of a premises group—the premises group, rather than each individual premises, is

Water Supply (Safety and Reliability) Act 2008
Chapter 2 Infrastructure and service

[s 165]

- able to be connected, directly and separately to its infrastructure; and
- (c) the infrastructure can deal with the service requirements of all premises in the service area; and
 - (d) for a retail water service—the design of its infrastructure allows for a connection point at or within the boundary of each premises connected to the service; and
 - (e) for a sewerage service—the design of its infrastructure allows for a connection point—
 - (i) at or within the boundary of each premises connected to the service; and
 - (ii) to the greatest practicable extent, at an invert level below ground level at which the sanitary drain or property sewer laid at minimum grade is capable of servicing the premises.
- (2) A property service is part of the service provider's infrastructure for a water service or sewerage service.

165 Recovering cost of giving access to registered service

The service provider may recover from a customer the reasonable cost of complying with section 164 for the customer's premises.

166 When service provider not required to supply water in service area

- (1) This section applies if—
 - (a) the owner of premises in the service area wants the service provider to supply water to the premises; and
 - (b) the service provider can not supply water from its infrastructure to the premises at a satisfactory pressure because of physical constraints.
- (2) The service provider must supply water to the premises if the owner installs enough water storage tanks and pumps to

ensure that water can be supplied at a satisfactory pressure and flow.

- (3) The service provider may impose conditions on the installation of the water storage tanks and pumps, including, for example, a condition requiring that a pump installed on the supply side of a water storage tank does not cause negative pressures in the service provider's water main.

Division 4 Connecting to particular registered services

167 Owner may ask for connection to service provider's infrastructure

- (1) This section applies if an owner of premises in the service area asks the service provider to connect the owner's premises to the service provider's infrastructure.

Note—

For provisions that relate to distributor-retailers, see the 2009 restructuring Act, chapter 4C.

- (2) The service provider must advise the owner of any work the service provider considers reasonably necessary to be carried out on the premises and any reasonable connection fee to enable the premises to be connected to the infrastructure.

Note—

If the work is development as defined under the Planning Act, that Act applies to the work.

- (3) If the owner satisfactorily completes the work (including complying with any conditions for carrying out the work) and pays the connection fee, the service provider must connect the owner's property to the infrastructure.
- (4) This section does not apply to a service provider that is a distributor-retailer.

Water Supply (Safety and Reliability) Act 2008
Chapter 2 Infrastructure and service

[s 168]

168 Notice requiring connection to registered service

- (1) The service provider may, by notice given to the owner of premises in the service area, require the owner to carry out works for connecting the premises to a registered service.
- (2) The notice must state—
 - (a) the work to be carried out on the premises to enable the service to be supplied; and

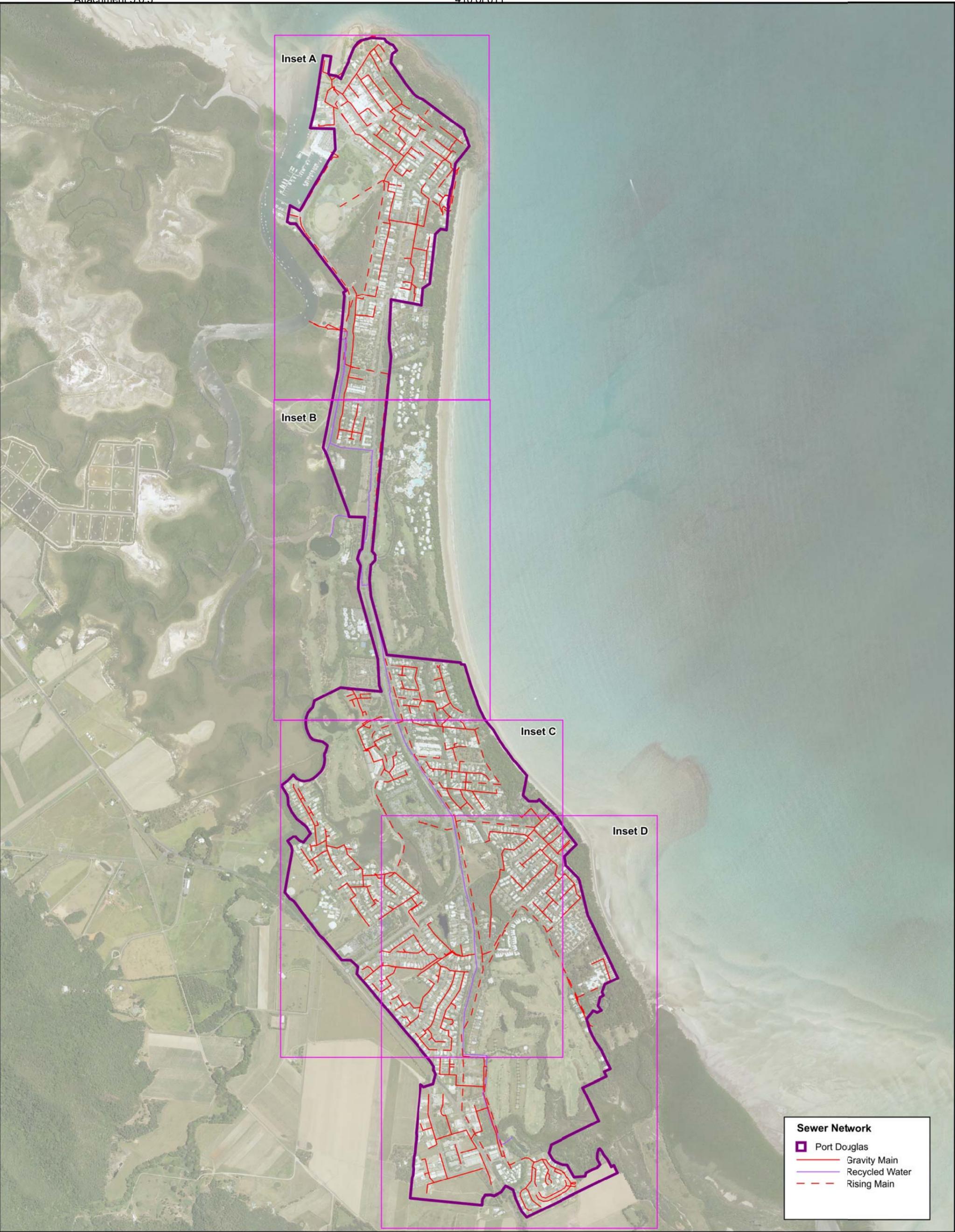
Note—
The Planning Act provides for the process of granting approvals for the work.
 - (b) a reasonable period, but not less than 20 business days, for completing the work; and
 - (c) that the work must be completed within the stated period or any extension of the period agreed to by the service provider; and
 - (d) anything else the owner must do to enable the service to be supplied.
- (3) The owner must comply with the notice unless the owner has a reasonable excuse.
Maximum penalty—200 penalty units.
- (4) When the owner has satisfactorily completed the work, the service provider must connect the owner's premises to the service provider's infrastructure.
- (5) This section does not apply to a service provider that is a distributor-retailer.

Division 5 Restricting domestic water supply

169 Restricting domestic water supply in particular circumstances

- (1) This section applies if—
 - (a) premises are connected to a water service; and

PORT DOUGLAS SEWER NETWORK



Sewer Network

- █ Port Douglas
- Gravity Main
- Recycled Water
- - - Rising Main



PORT DOUGLAS SEWER NETWORK

Inset A



Sewer Network

- Port Douglas
- Gravity Main
- Recycled Water
- Rising Main



PORT DOUGLAS SEWER NETWORK



Sewer Network

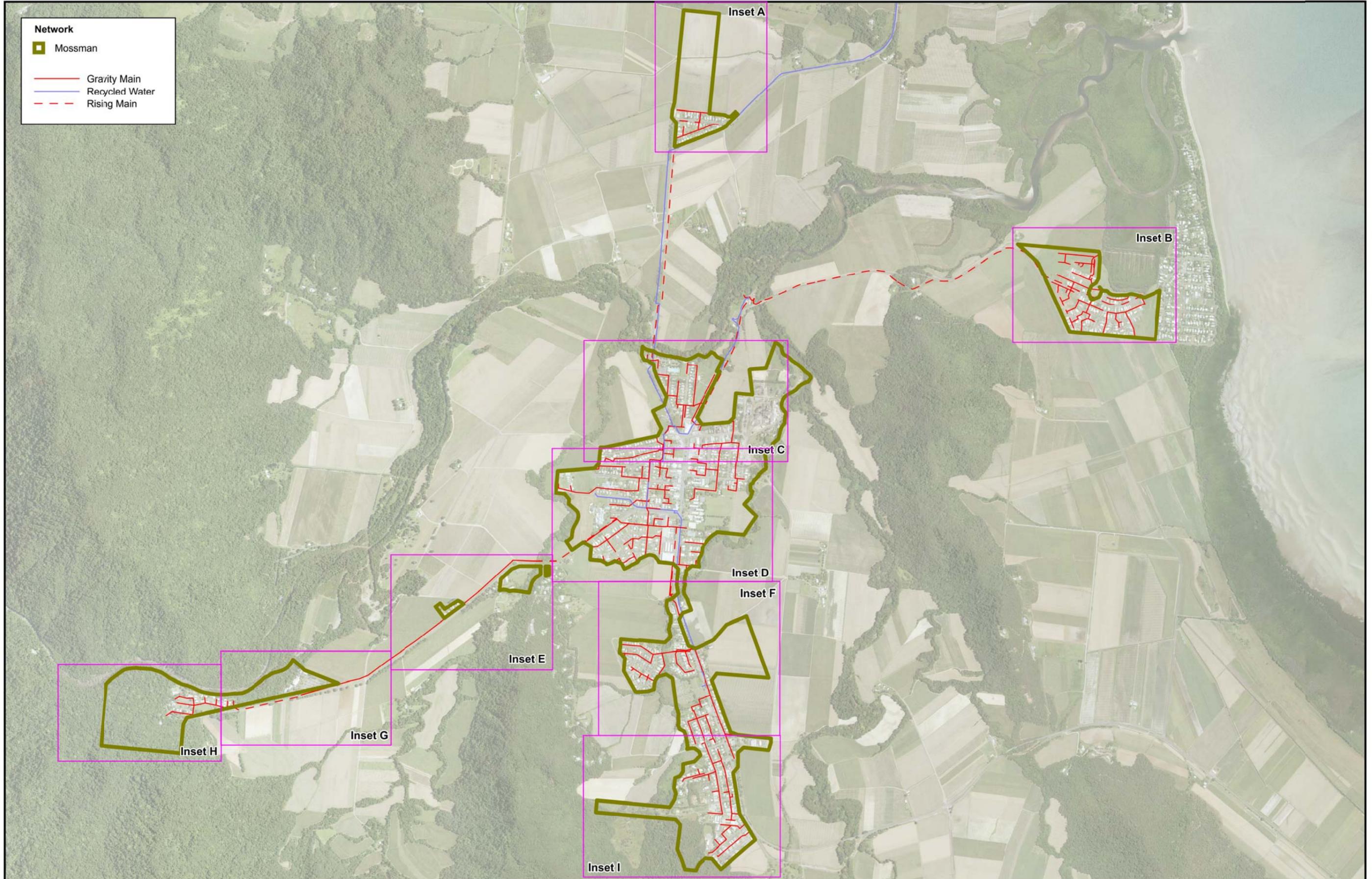
- Port Douglas
- Gravity Main
- Recycled Water
- Rising Main



MOSSMAN SEWERAGE NETWORK

Attachment 5.6.4

415 of 611



MOSSMAN SEWERAGE NETWORK

Attachment 5.6.4

416 of 611

Network

-  Mossman
-  Gravity Main
-  Recycled Water
-  Rising Main

Inset A



MOSSMAN SEWERAGE NETWORK



MOSSMAN SEWERAGE NETWORK



MOSSMAN SEWERAGE NETWORK

Inset D



Network

- █ Mossman
- Gravity Main
- Recycled Water
- - - Rising Main

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Scale 1cm = 35m at A3
Map Grid of Australia Zone 55 (GDA94)



MOSSMAN SEWERAGE NETWORK

Attachment 5.6.4

420 of 611

Inset E



Network

- Mossman
- Gravity Main
- Recycled Water
- Rising Main



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Scale 1cm = 20 m at A3
Map Grid of Australia Zone 55 (GDA94)

MOSSMAN SEWERAGE NETWORK

Attachment 5.6.4

421 of 611

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MOSSMAN SEWERAGE NETWORK

Attachment 5.6.4

422 of 611

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MOSSMAN SEWERAGE NETWORK

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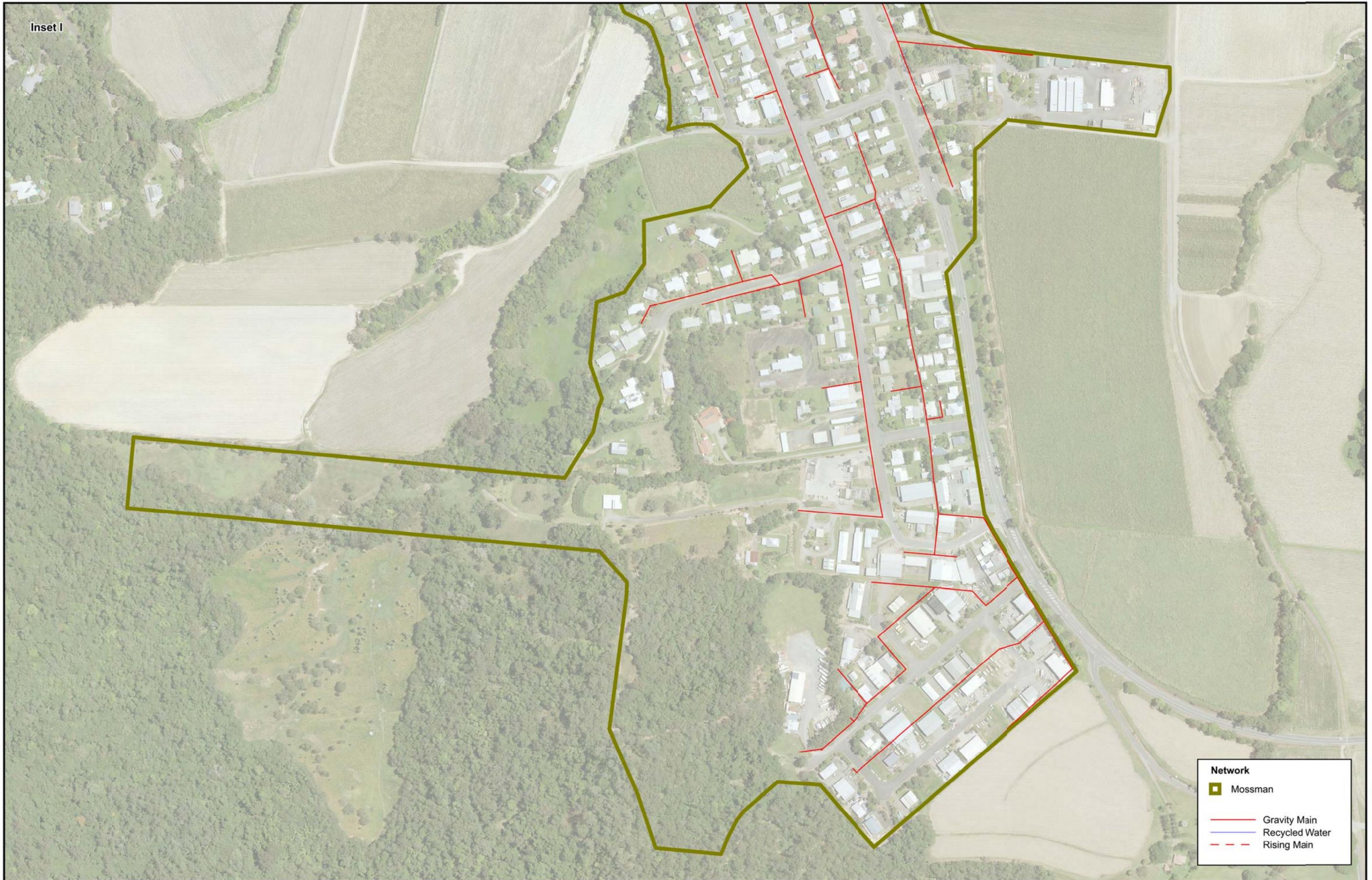


Network

-  Mossman
-  Gravity Main
-  Recycled Water
-  Rising Main



MOSSMAN SEWERAGE NETWORK



DAINTREE WATER NETWORK SERVICE AREA



Water Network
 □ Daintree



LOWER DAINTREE (DE MEIO RD) WATER NETWORK AREA



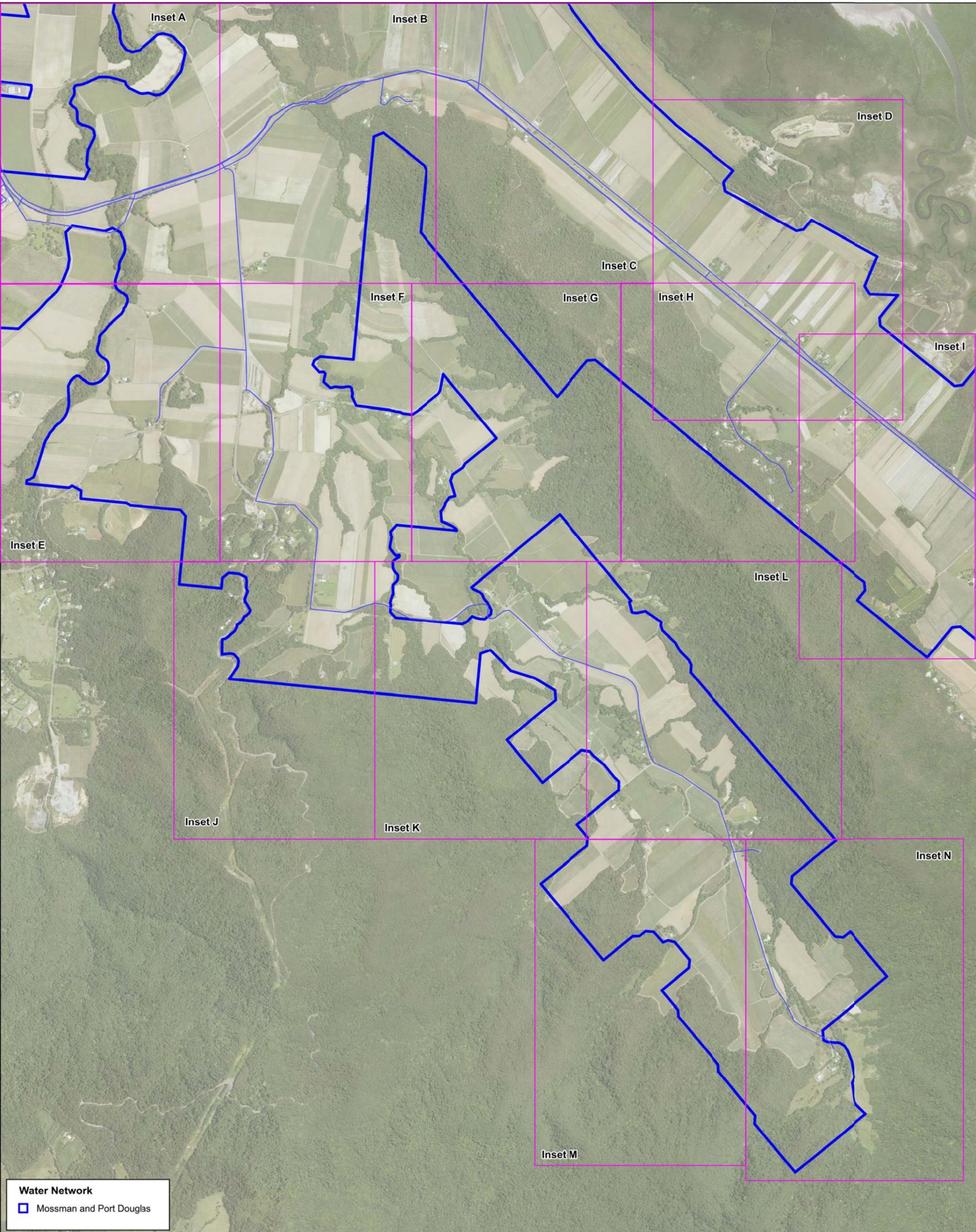
Water Network
■ De Meio Drive



KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

427 of 611



Water Network
■ Mossman and Port Douglas

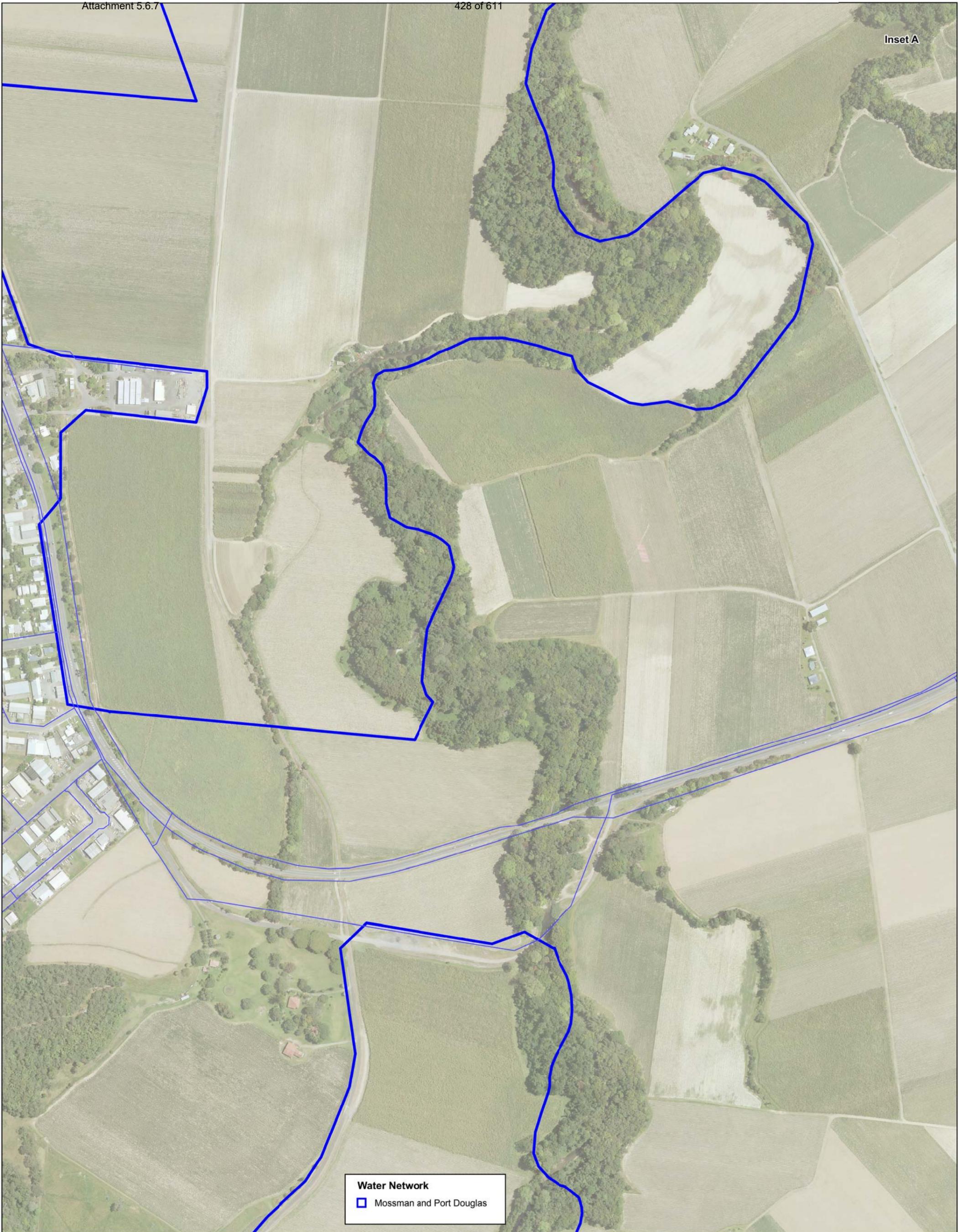


KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

428 of 611

Inset A



Water Network
■ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

429 of 611

Inset B



Water Network
■ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

430 of 611

Inset C



Water Network
□ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

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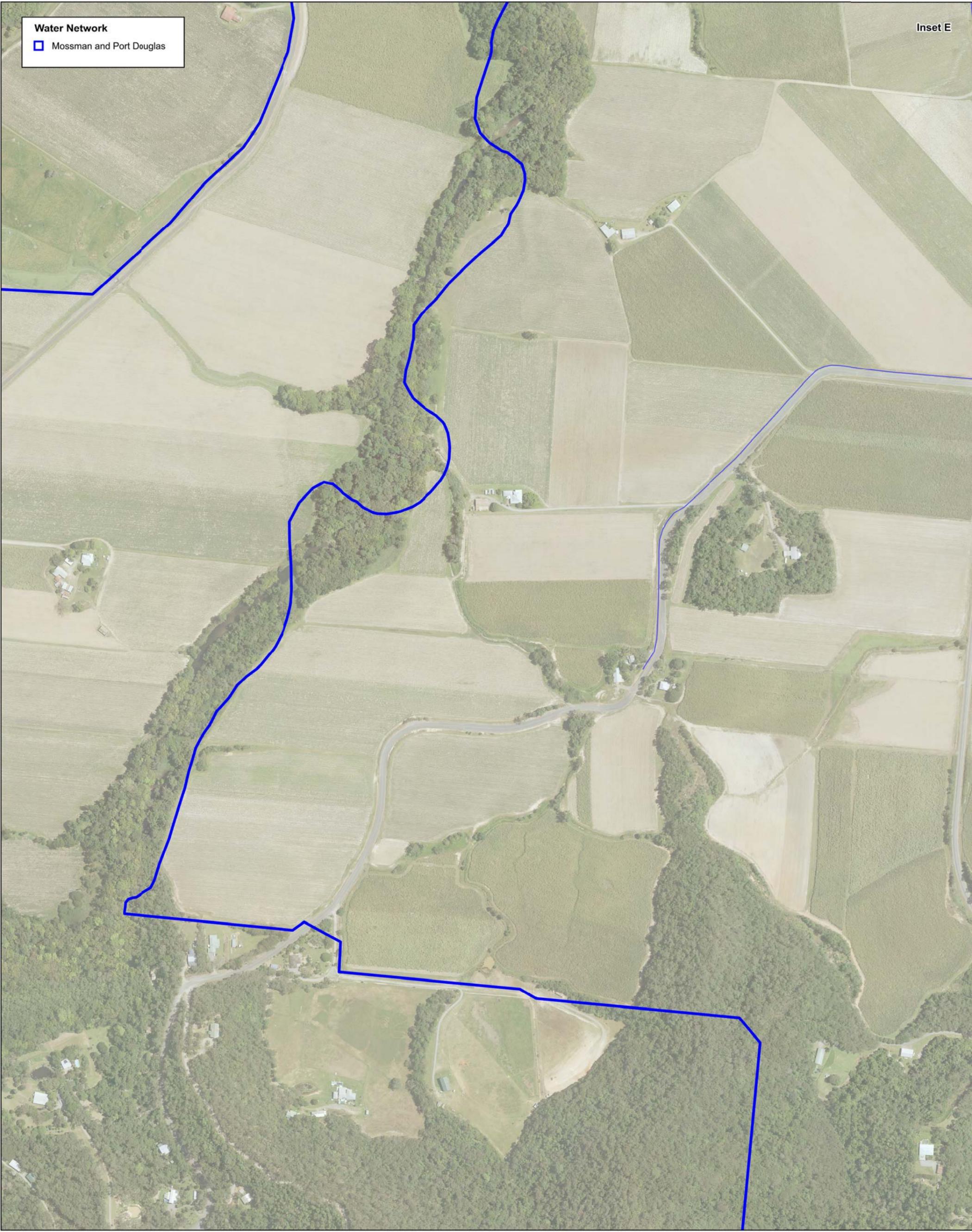
Water Network
□ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

Water Network
 ■ Mossman and Port Douglas

Inset E



KILLALOE AND CASSOWARY WATER NETWORK

Inset F



Water Network
 ■ Mossman and Port Douglas

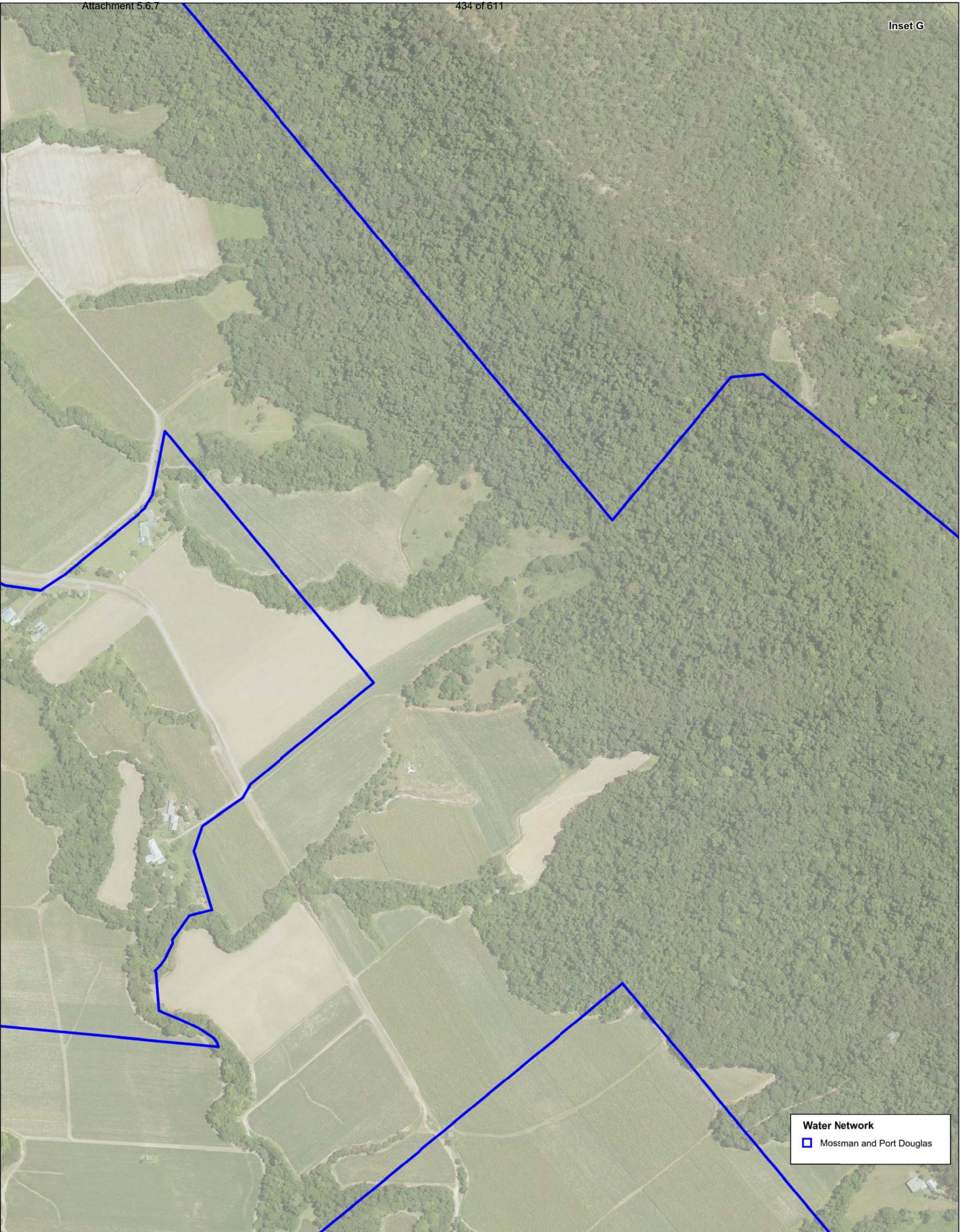


KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

434 of 611

Inset G



Water Network
■ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

435 of 611

Inset H



Water Network
□ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

436 of 611

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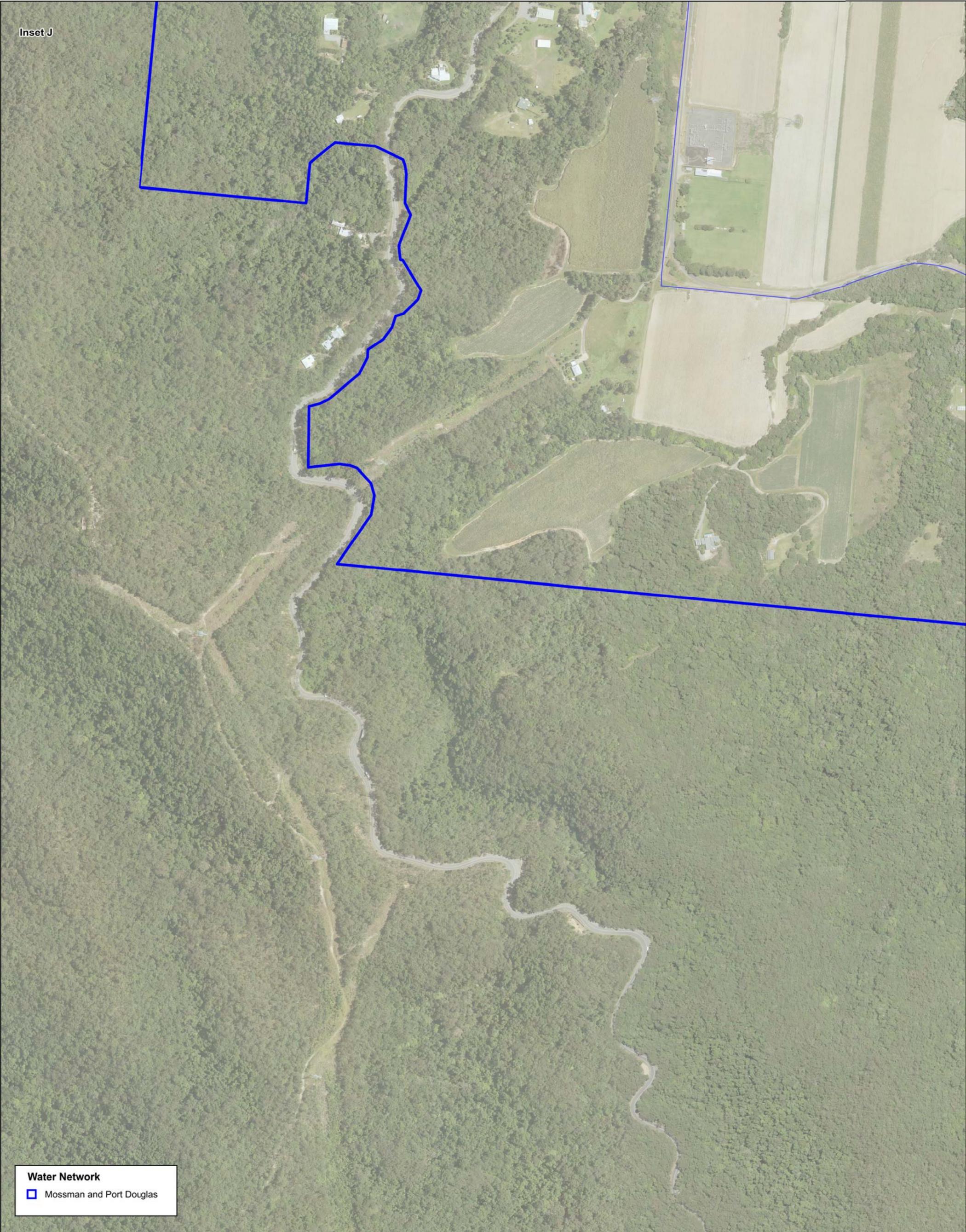
Water Network

■ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

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Water Network
■ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

438 of 611

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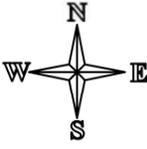
Water Network
□ Mossman and Port Douglas



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Scale 1cm = 50 m at A3

Map Grid of Australia Zone 55 (GDA94)



Inset L



Water Network
 □ Mossman and Port Douglas



KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

440 of 611

Inset M



Water Network

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Scale 1cm = 50 m at A3

Map Grid of Australia
Zone 55 (GDA94)

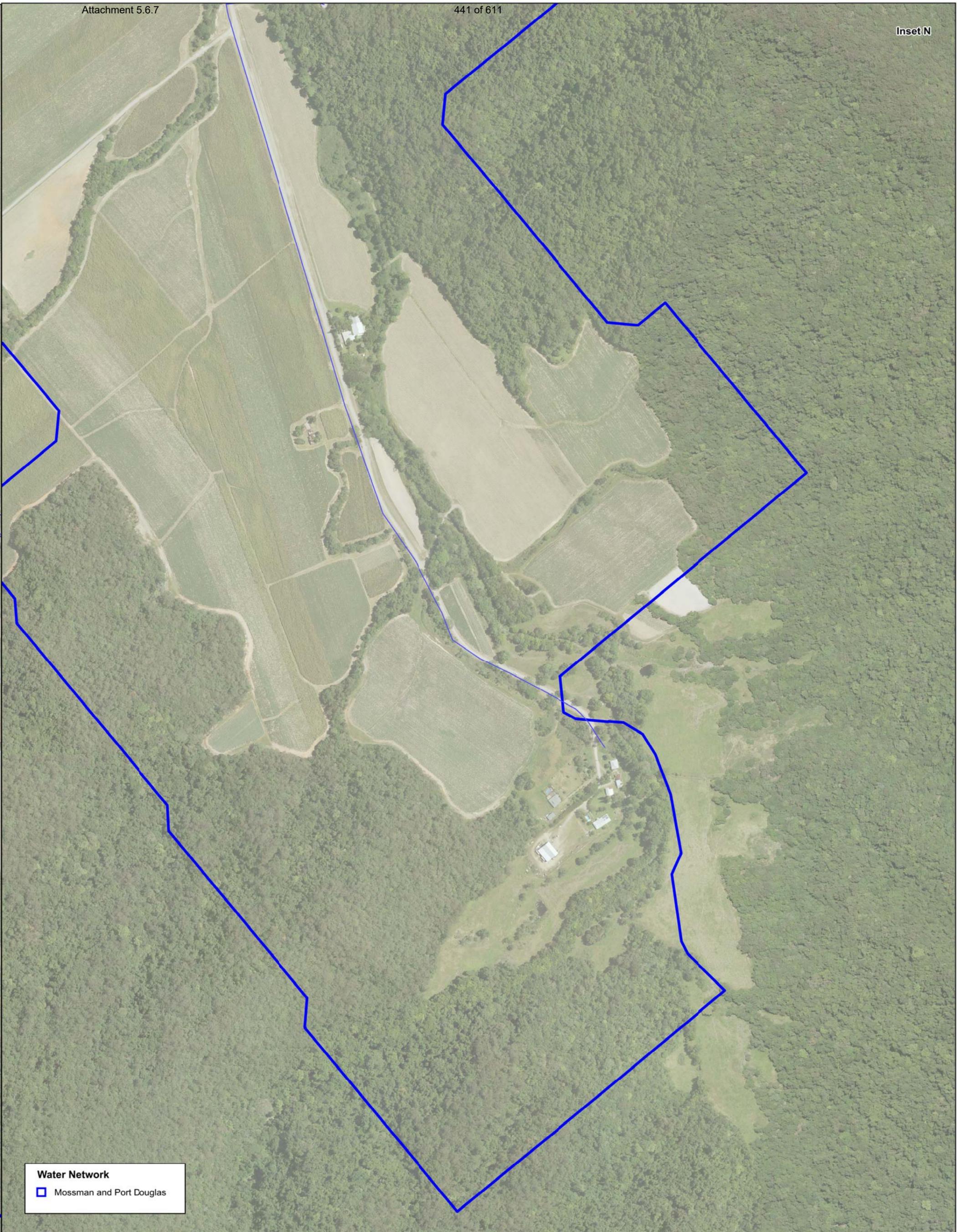


KILLALOE AND CASSOWARY WATER NETWORK

Attachment 5.6.7

441 of 611

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Water Network

□ Mossman and Port Douglas

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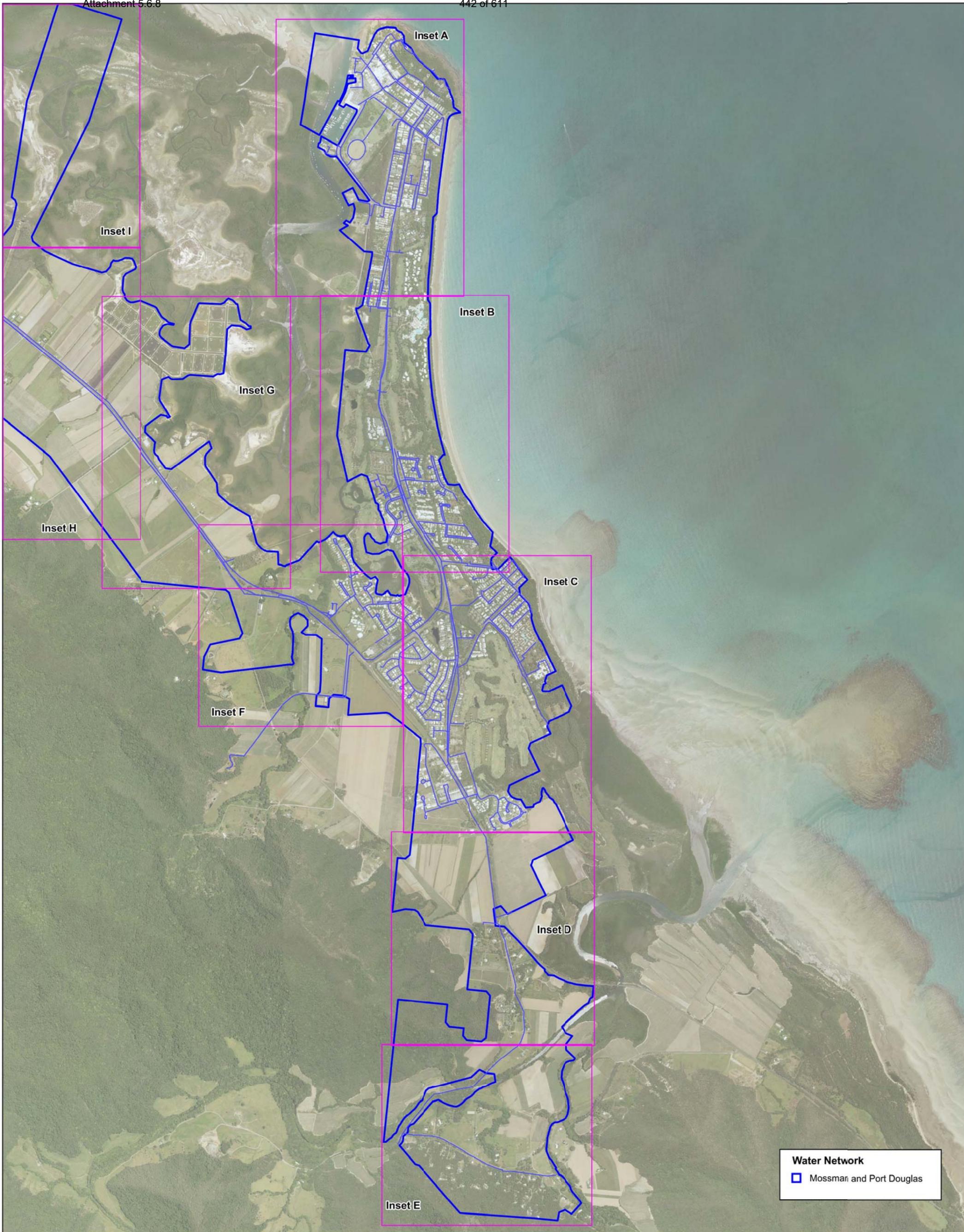
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Zone 55 (GDA94)



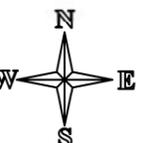
PORT DOUGLAS AND MOWBRAY WATER NETWORK

Attachment 5.6.8

442 of 611



Water Network
□ Mossman and Port Douglas



PORT DOUGLAS AND MOWBRAY WATER NETWORK

Attachment 5.6.8

443 of 611

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Water Network
□ Mossman and Port Douglas



PORT DOUGLAS AND MOWBRAY WATER NETWORK

Attachment 5.6.8

444 of 611

Inset B

Water Network
□ Mossman and Port Douglas



PORT DOUGLAS AND MOWBRAY WATER NETWORK

Attachment 5.6.8

445 of 611

Inset C



Water Network

□ Mossman and Port Douglas

DOUGLAS
SHIRE COUNCIL

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Zone 55 (GDA94)

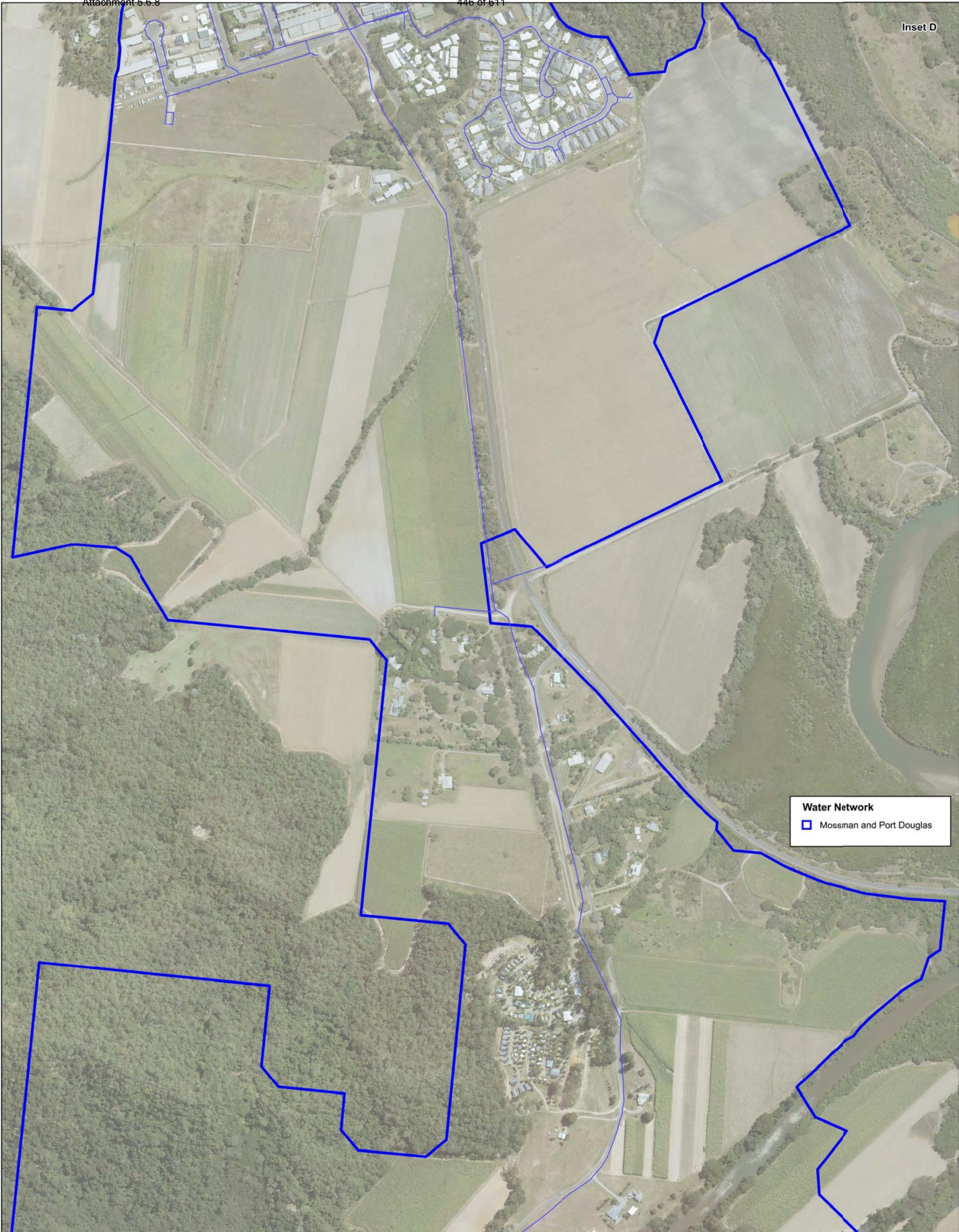


PORT DOUGLAS AND MOWBRAY WATER NETWORK

Attachment 5.6.8

446 of 611

Inset D



Water Network
□ Mossman and Port Douglas

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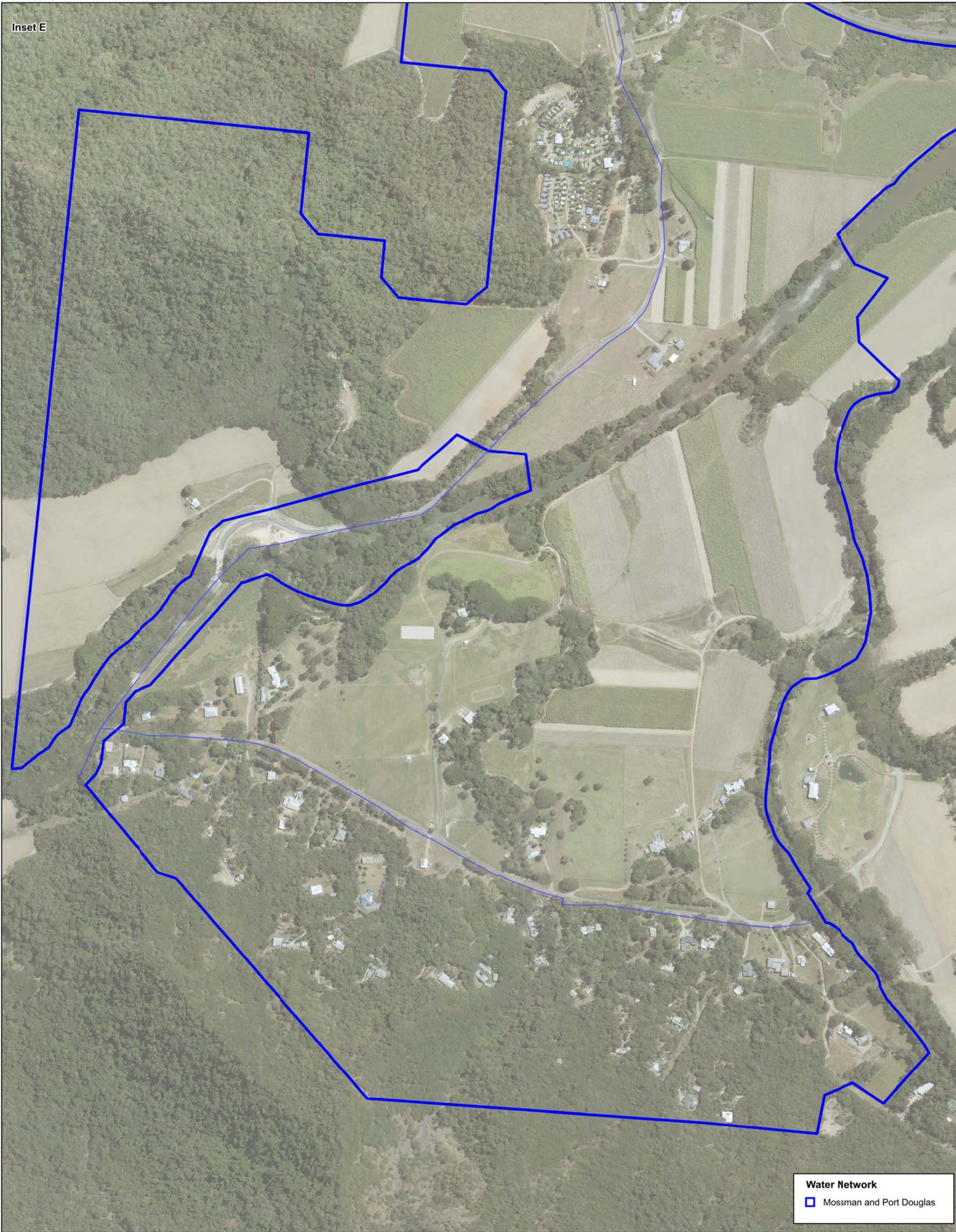
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Zone 55 (GDA94)

DOUGLAS
SHIRE COUNCIL



PORT DOUGLAS AND MOWBRAY WATER NETWORK

Inset E

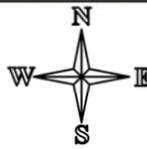


Water Network
■ Mossman and Port Douglas



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Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)

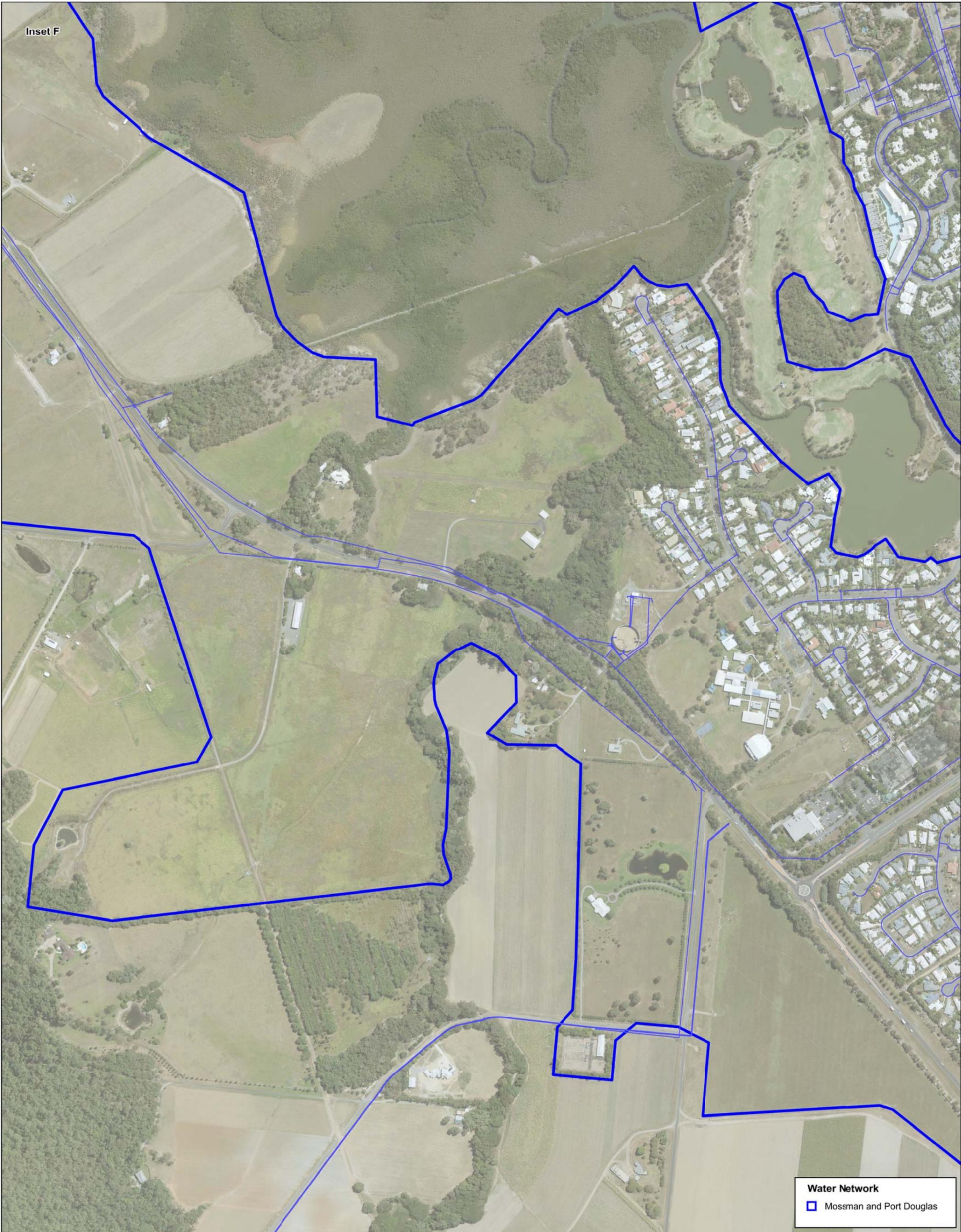


PORT DOUGLAS AND MOWBRAY WATER NETWORK

Attachment 9.6.8

146 of 141

Inset F



Water Network
■ Mossman and Port Douglas



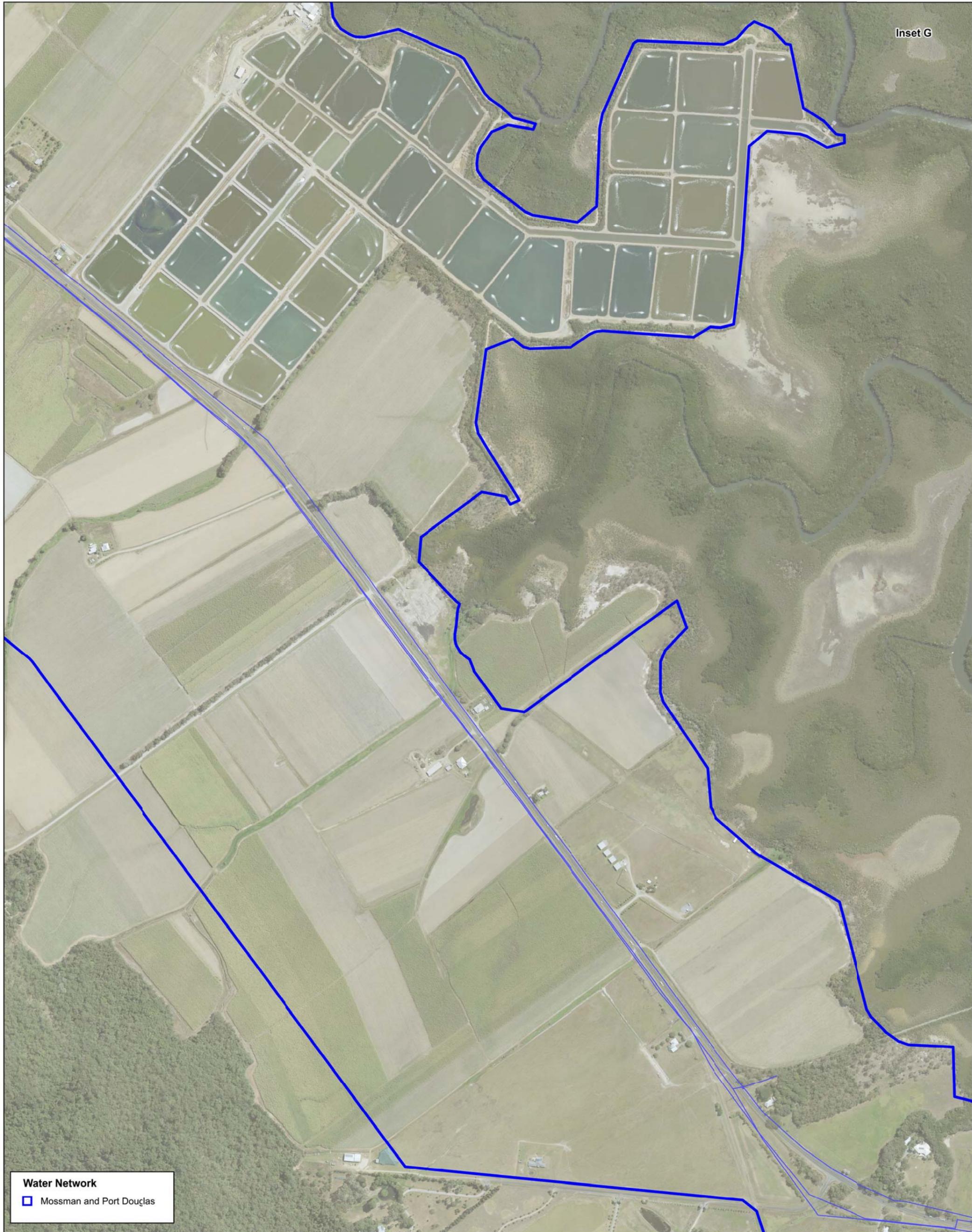
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Scale 1cm = 60m at A3
Map Grid of Australia
Zone 55 (GDA94)



PORT DOUGLAS AND MOWBRAY WATER NETWORK

Inset G

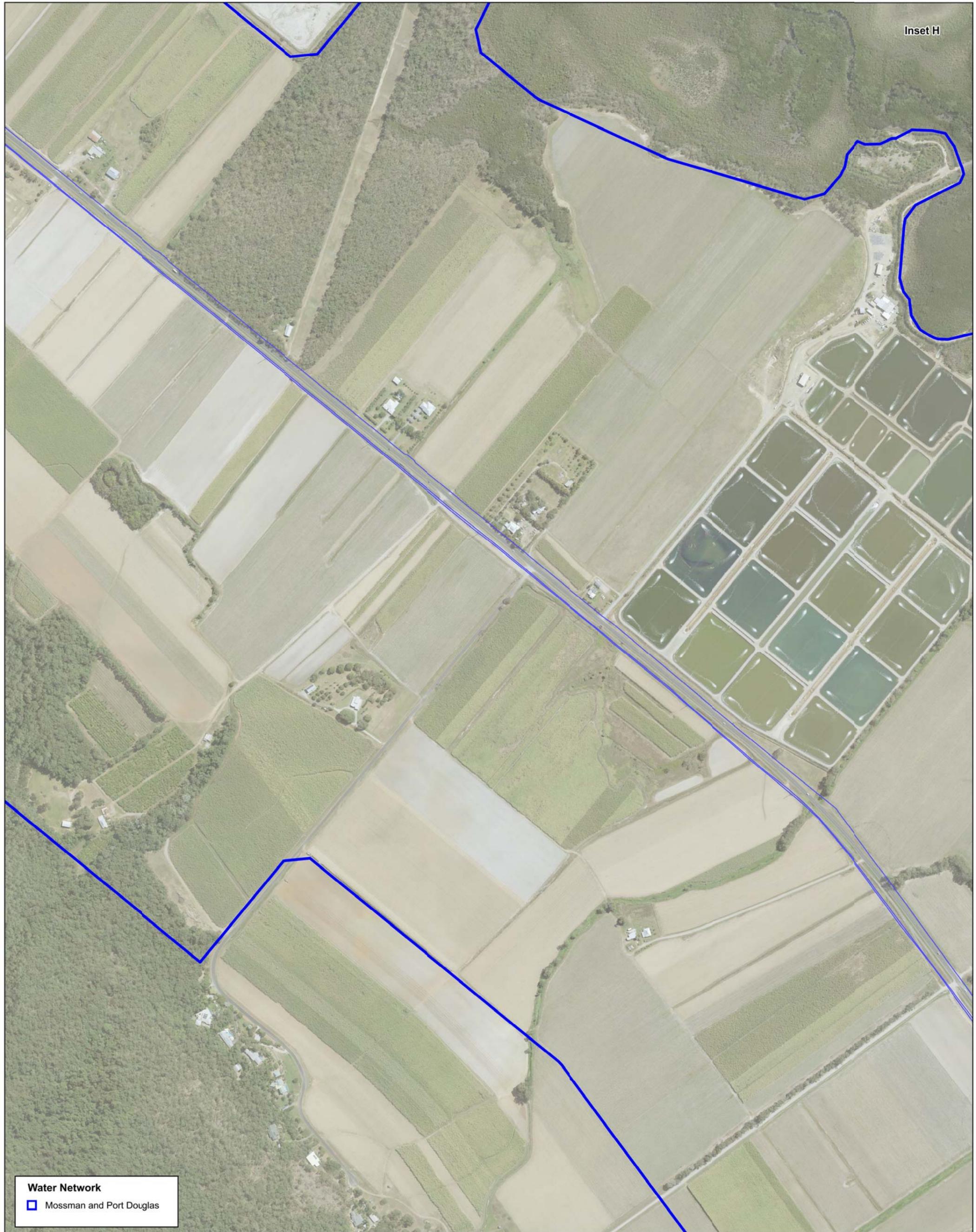


Water Network
□ Mossman and Port Douglas



PORT DOUGLAS AND MOWBRAY WATER NETWORK

Inset H



Water Network
■ Mossman and Port Douglas

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Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)



PORT DOUGLAS AND MOWBRAY WATER NETWORK

Inset I



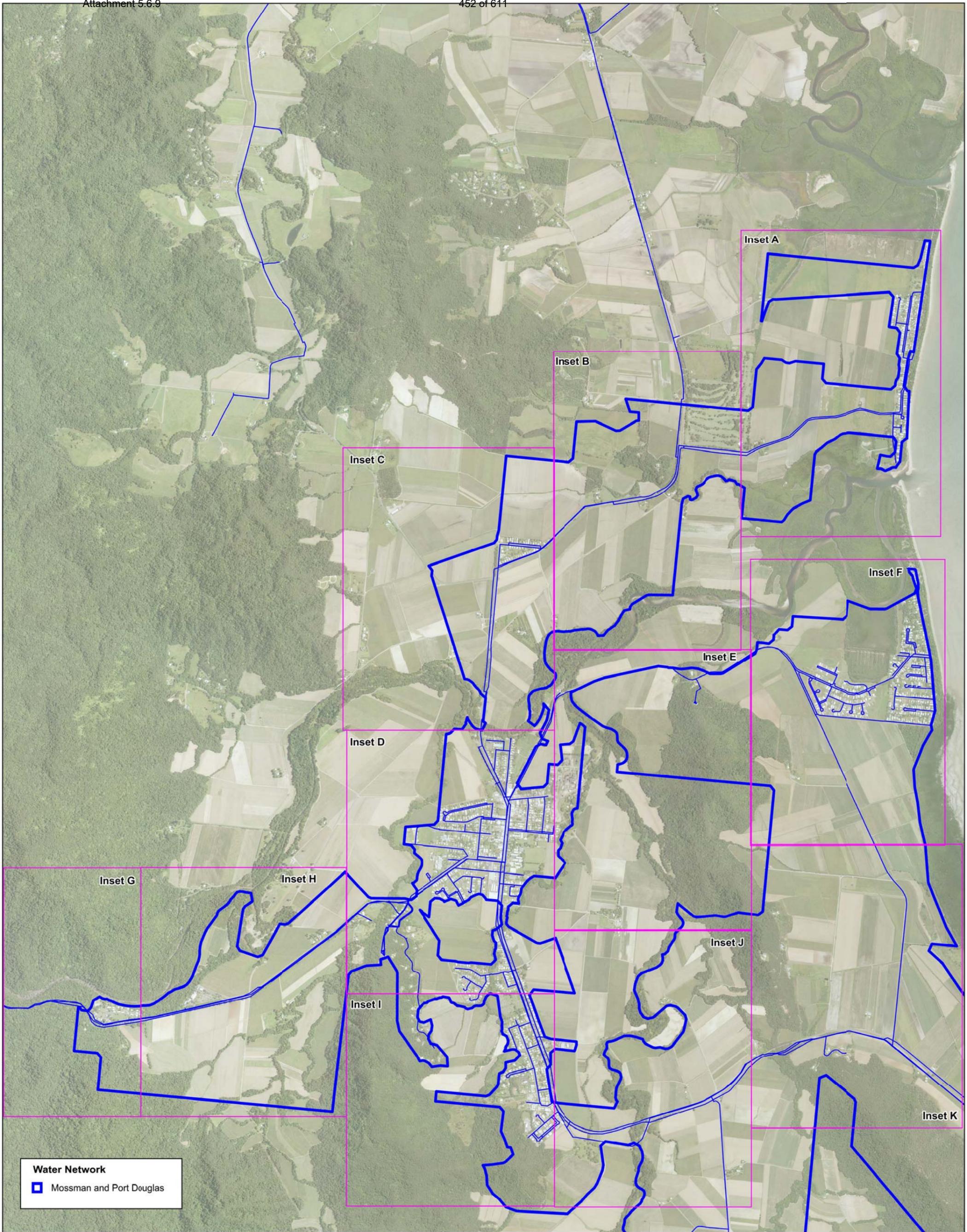
Water Network
□ Mossman and Port Douglas

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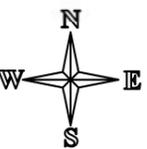
Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)



MOSSMAN WATER NETWORK



Water Network
■ Mossman and Port Douglas



MOSSMAN WATER NETWORK



MOSSMAN WATER NETWORK

Attachment 5.6.9

454 of 611

Inset B



Water Network
□ Mossman and Port Douglas



MOSSMAN WATER NETWORK

Attachment 5.6.9

455 of 611

Inset C



Water Network
■ Mossman and Port Douglas



MOSSMAN WATER NETWORK

Attachment 5.6.9

456 of 611

Inset D



Water Network

■ Mossman and Port Douglas

DOUGLAS
SHIRE COUNCIL

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Scale 1cm = 62 m at A3
Map Grid of Australia
Zone 55 (GDA94)

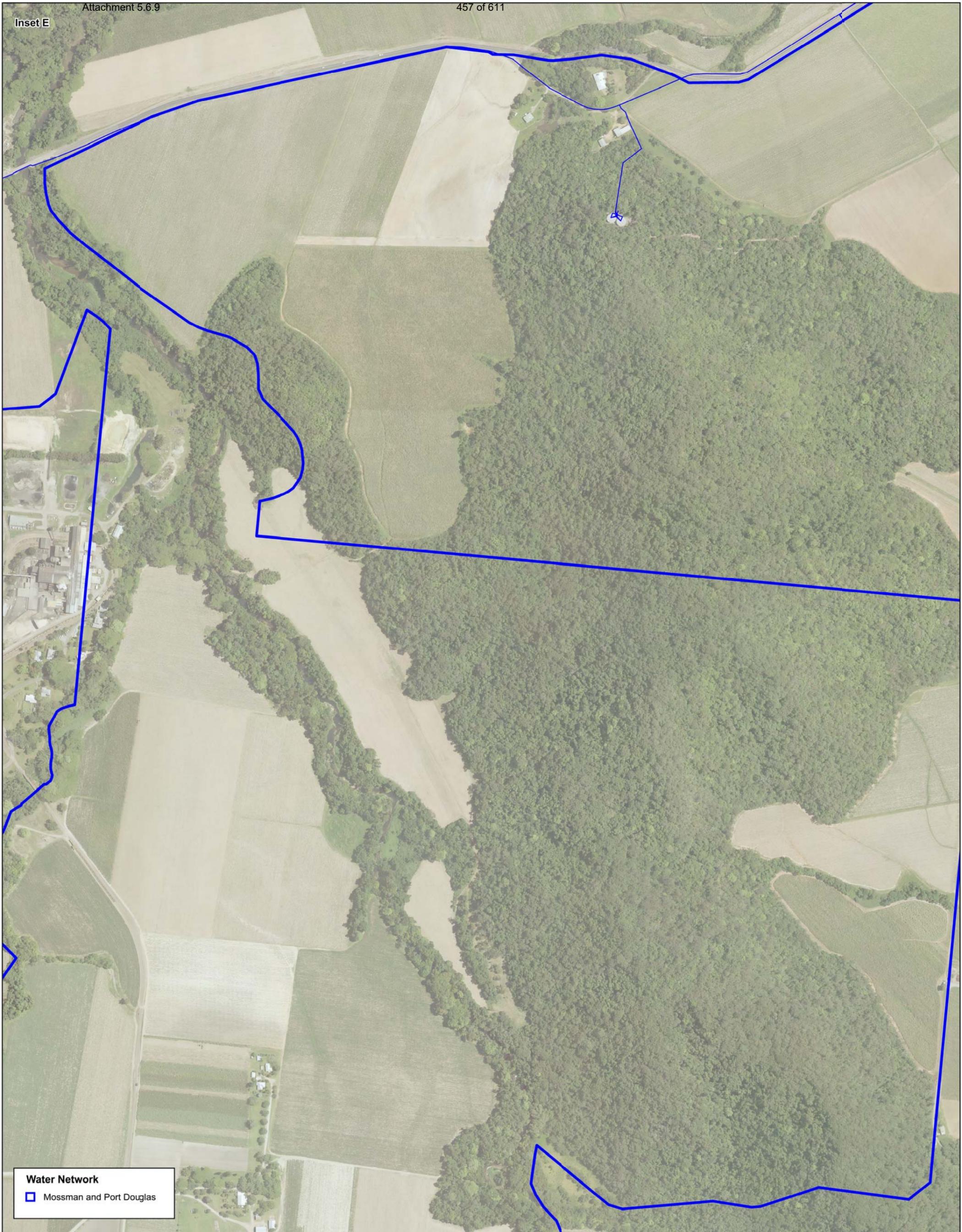


MOSSMAN WATER NETWORK

Attachment 5.6.9

457 of 611

Inset E



Water Network

■ Mossman and Port Douglas



MOSSMAN WATER NETWORK

Attachment 5.6.9

458 of 611

Inset F



Water Network

■ Mossman and Port Douglas



MOSSMAN WATER NETWORK

Inset G



Water Network
■ Mossman and Port Douglas

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Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)

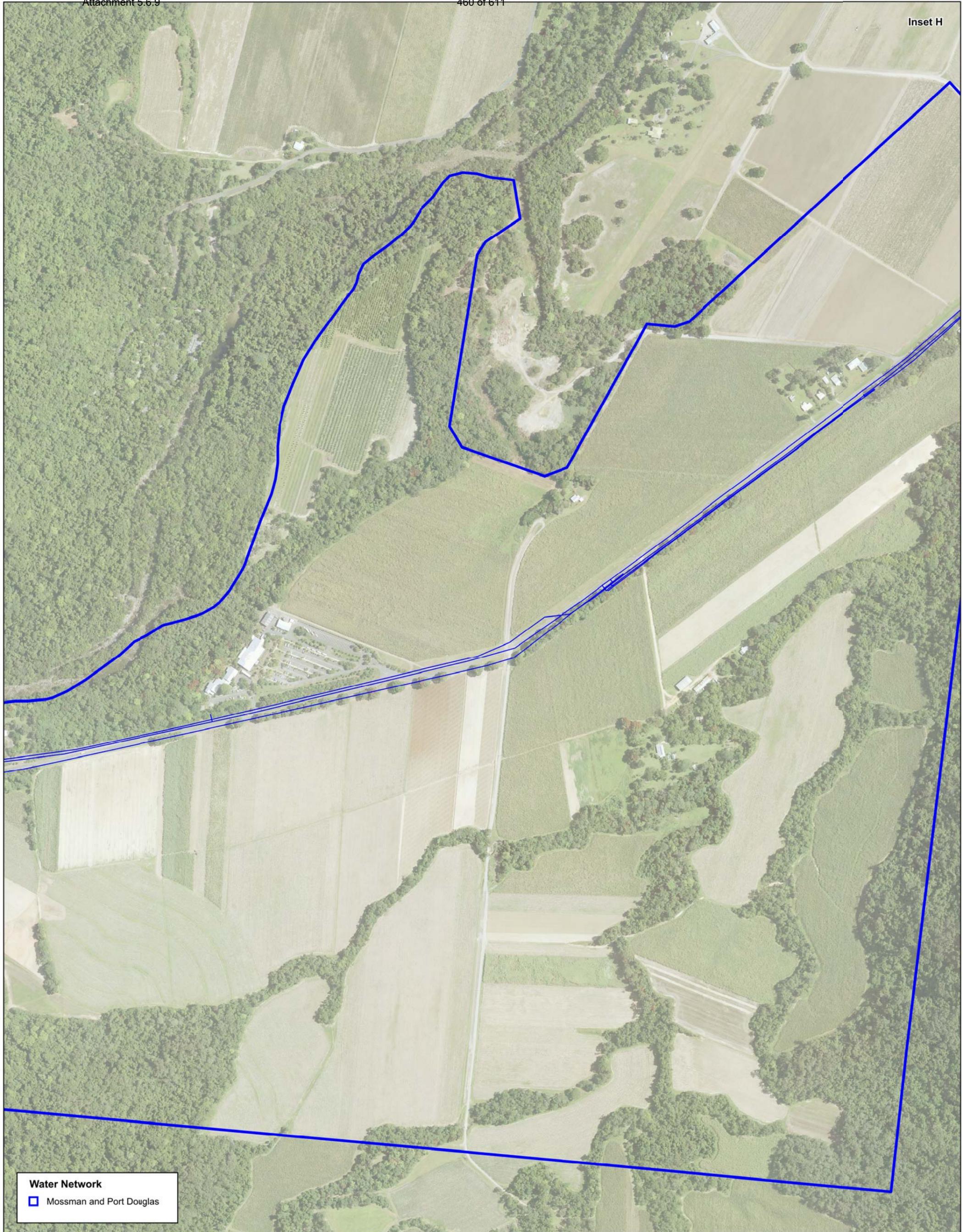


MOSSMAN WATER NETWORK

Attachment 5.6.9

460 of 611

Inset H



Water Network
■ Mossman and Port Douglas



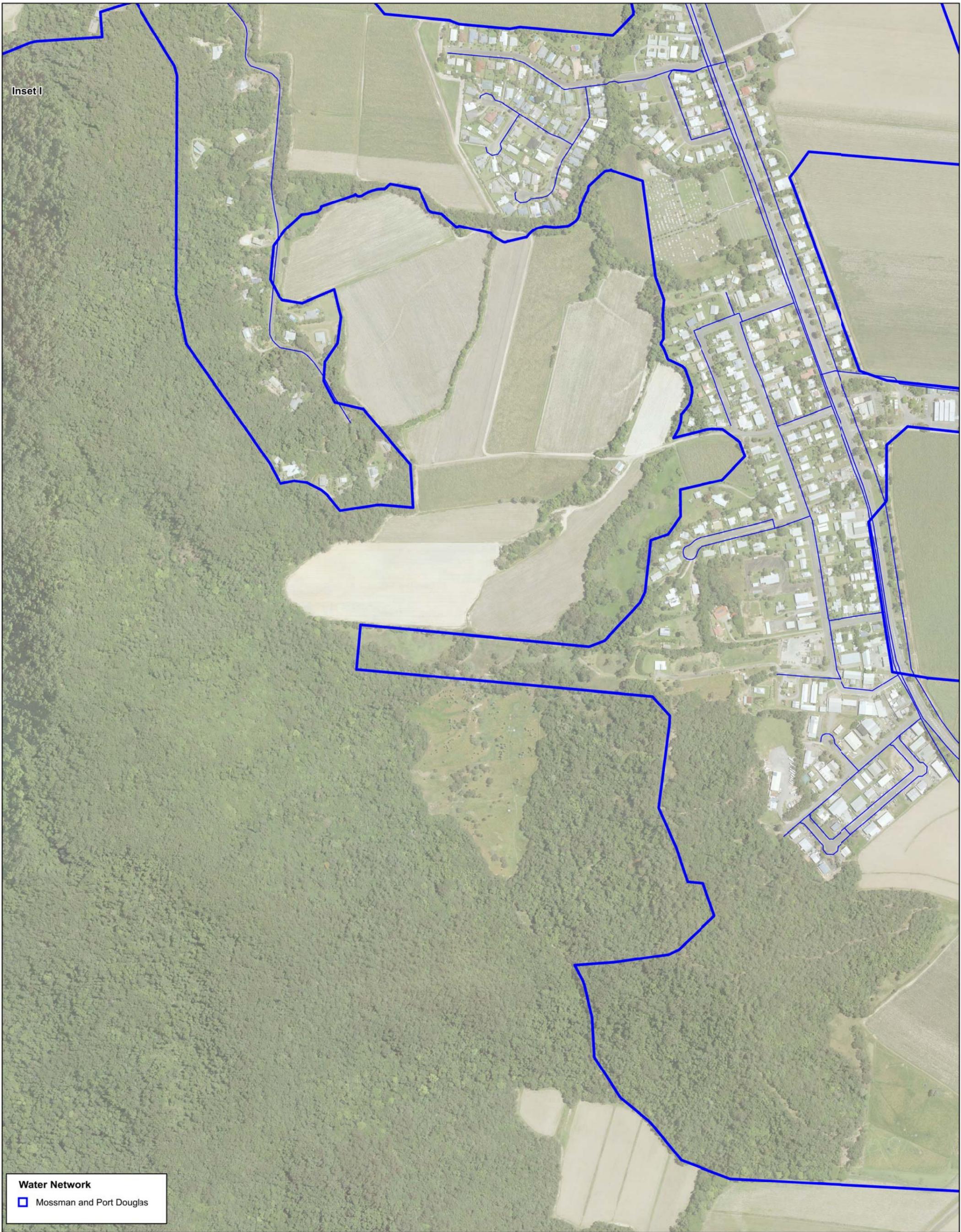
©2019 Douglas Shire Council (DSC). Based on or contains data provided by DSC and the State of Queensland Department of Natural Resources & Mines (NR&M) [2019]. In consideration of these agencies permitting use of this data you acknowledge and agree that these agencies give no warranty in relation to the data (including accuracy, reliability, completeness, currency or suitability) and the Council Meeting of February 2020, liability in negligence) for any loss, damage or costs (including consequential damage) relating to any use of the data. Data must not be used for direct marketing or be used in breach of the privacy laws.

Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)



MOSSMAN WATER NETWORK

Inset I

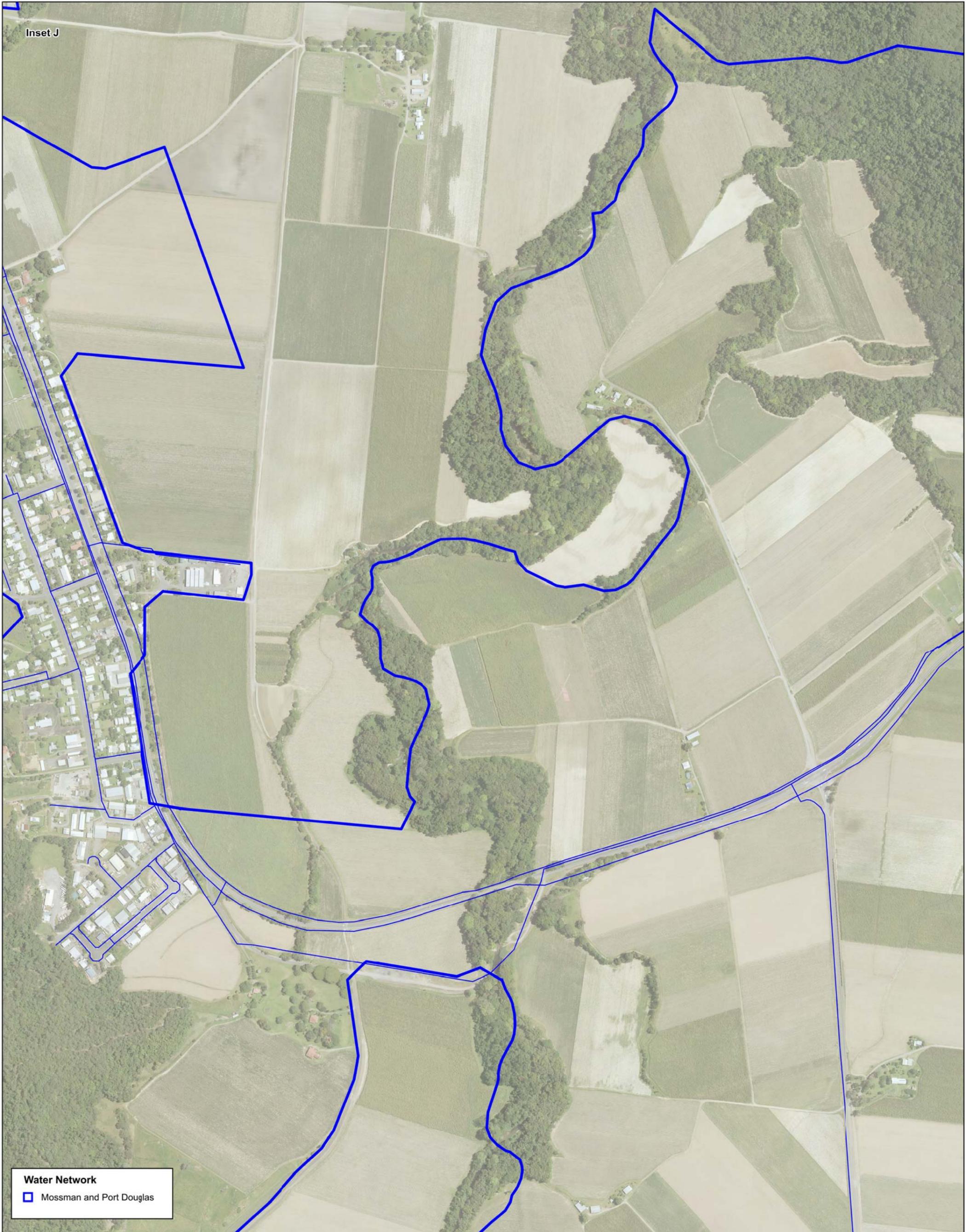


Water Network
■ Mossman and Port Douglas



MOSSMAN WATER NETWORK

Inset J



Water Network
□ Mossman and Port Douglas



MOSSMAN WATER NETWORK

Inset K

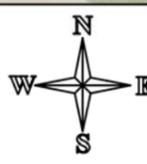


Water Network
■ Mossman and Port Douglas



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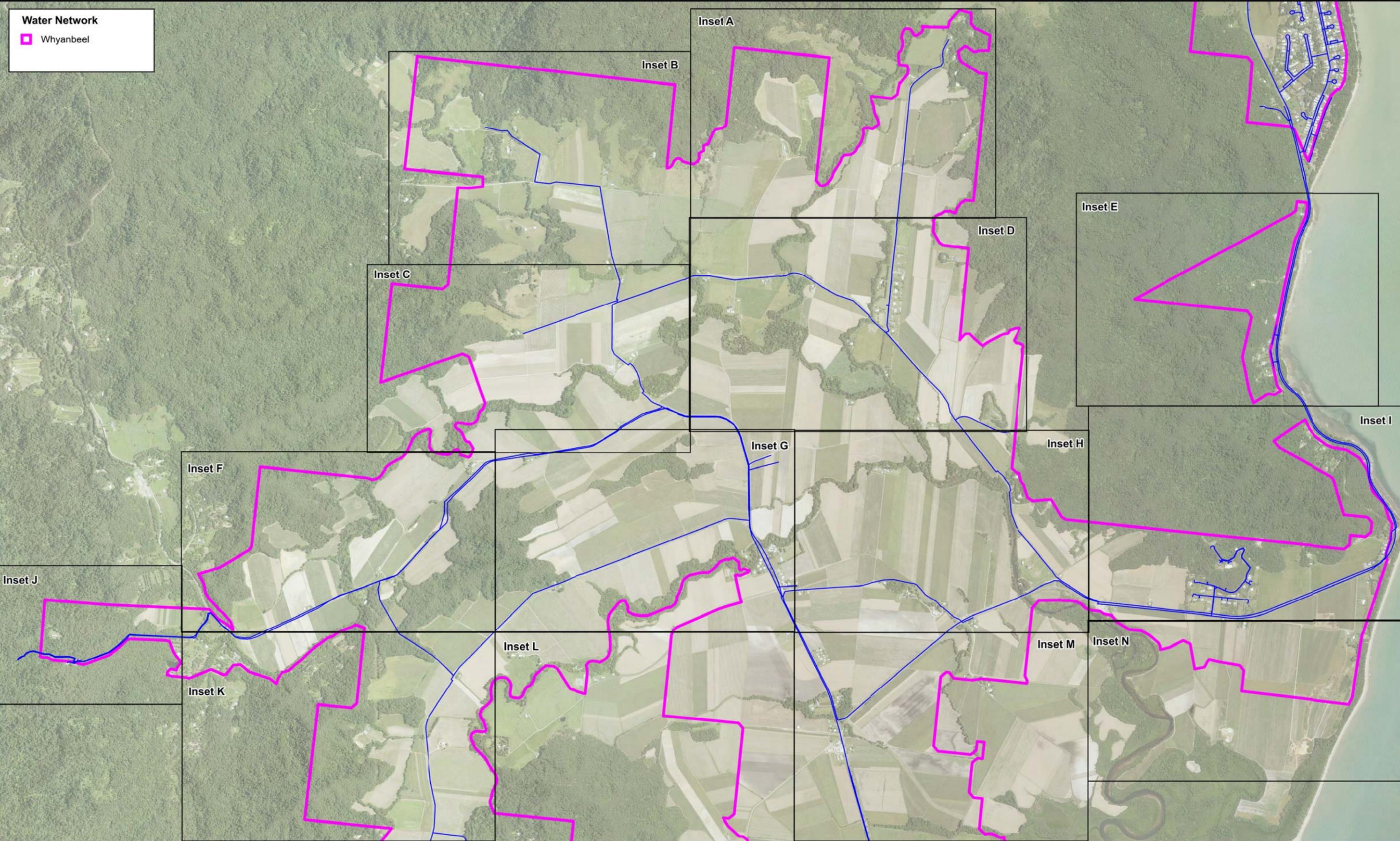
Scale 1cm = (50m) at A3
Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

464 of 611



Water Network

- Whyanbeel



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Scale 1cm = 243 m at A3

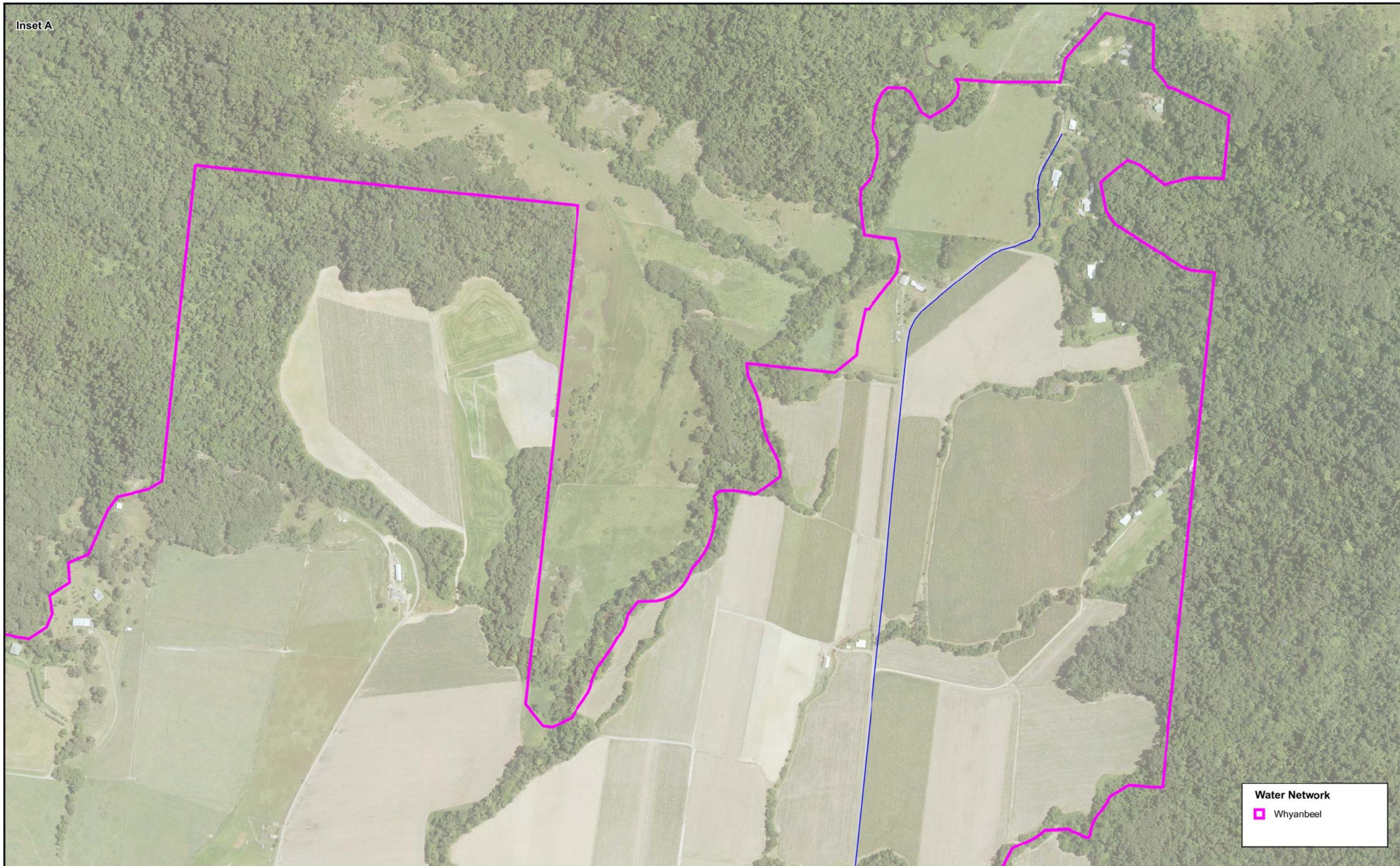
Map Grid of Australia Zone 55 (GDA94)



WHYANBEEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

465 of 611



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

466 of 611

Inset B



Water Network
■ Whyanbeel



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

467 of 611



Inset C

Water Network
■ Whyanbeel



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Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)



WHYANBEE - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

468 of 611

Water Network
■ Whyanbeel

Inset D



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Scale 1cm = 70 m at A3

Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

469 of 611

Inset E

Water Network
■ Whyanbeel



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Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

470 of 611



Water Network
■ Whyanbeel

Inset F

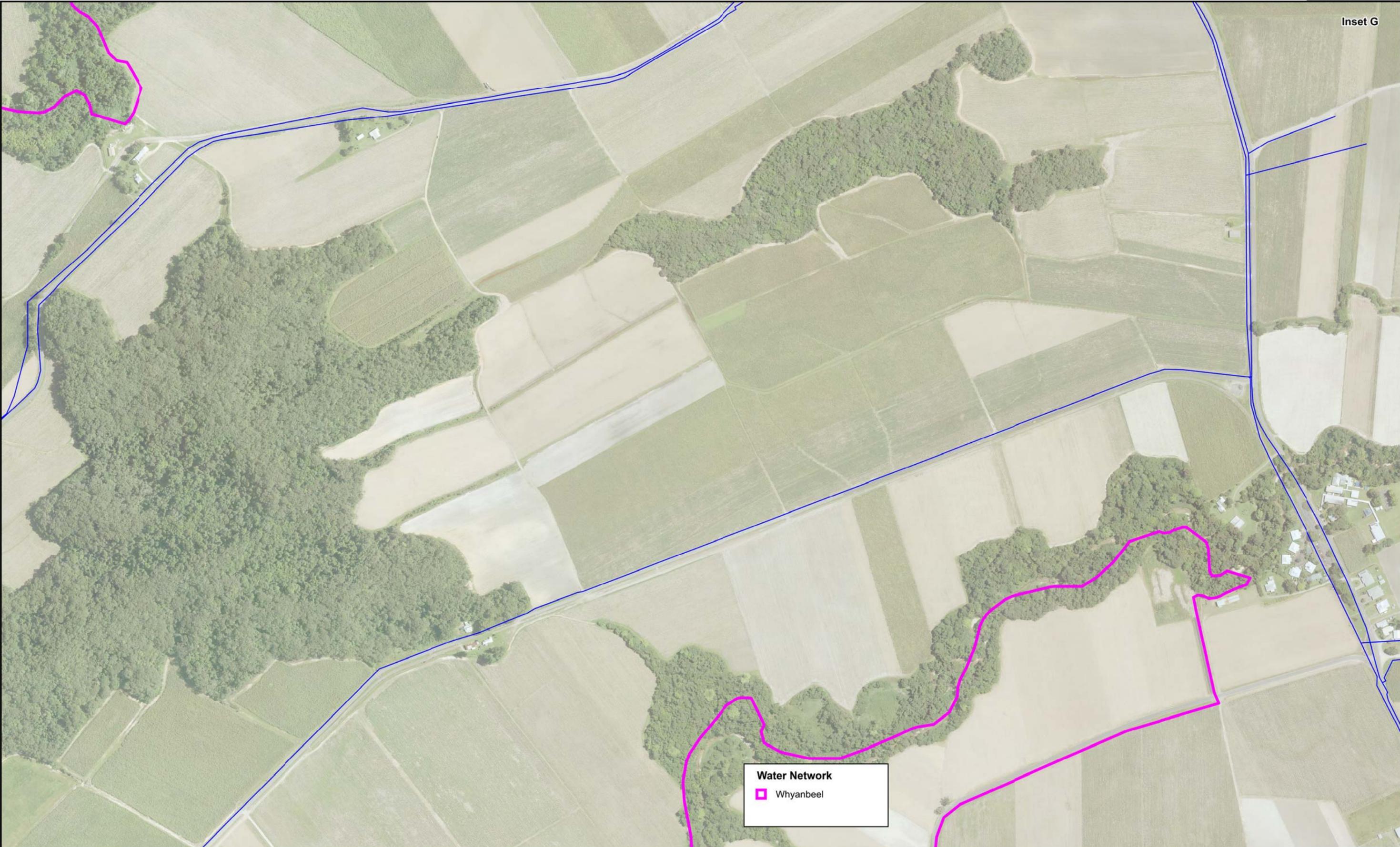


WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

471 of 611

Inset G



Water Network
■ Whyanbeel



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Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

472 of 611

Inset H

Water Network

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Scale 1cm = 63 m at A3
Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

473 of 611

Inset I

Water Network

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Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)



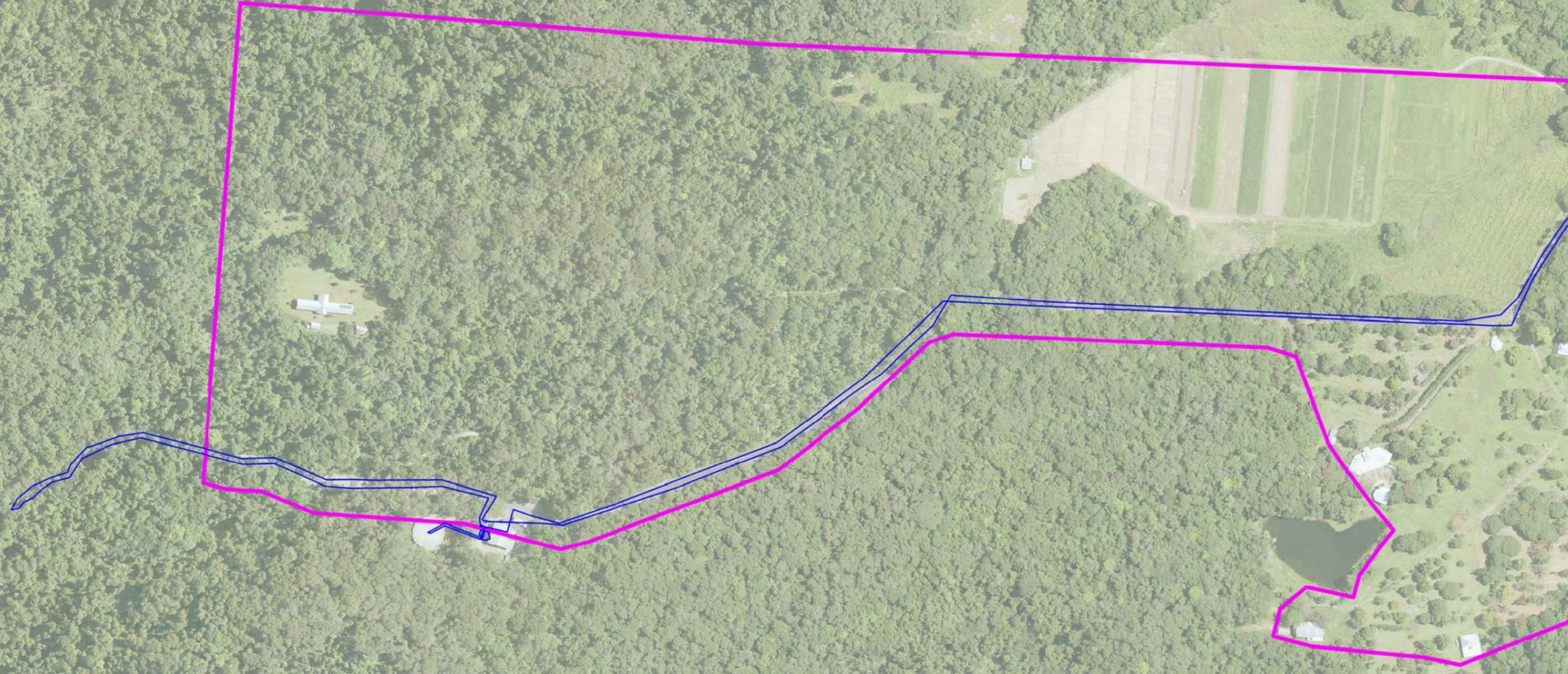
WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

474 of 611

Inset J

Water Network
■ Whyanbeel

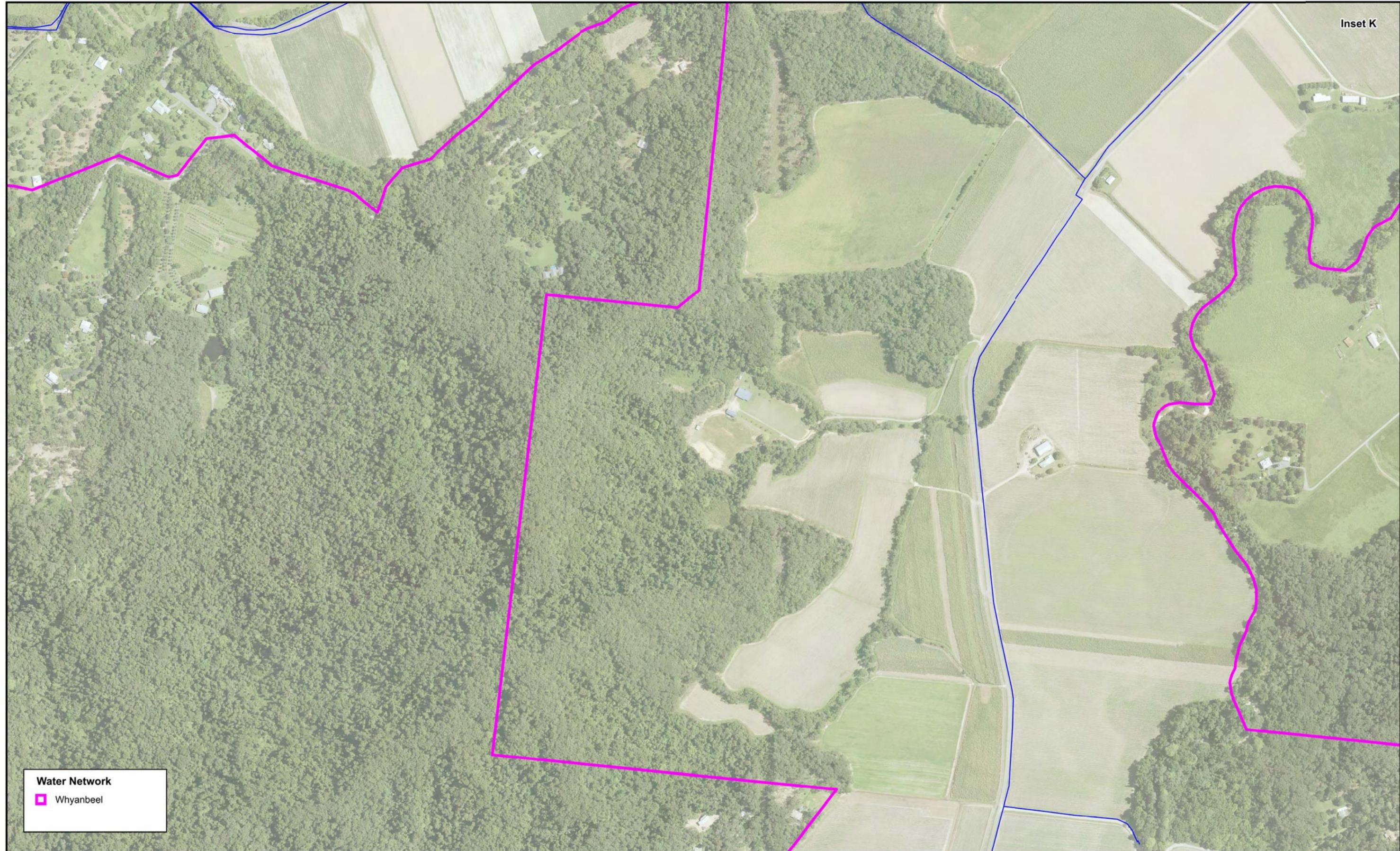


WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

475 of 611

Inset K



Water Network
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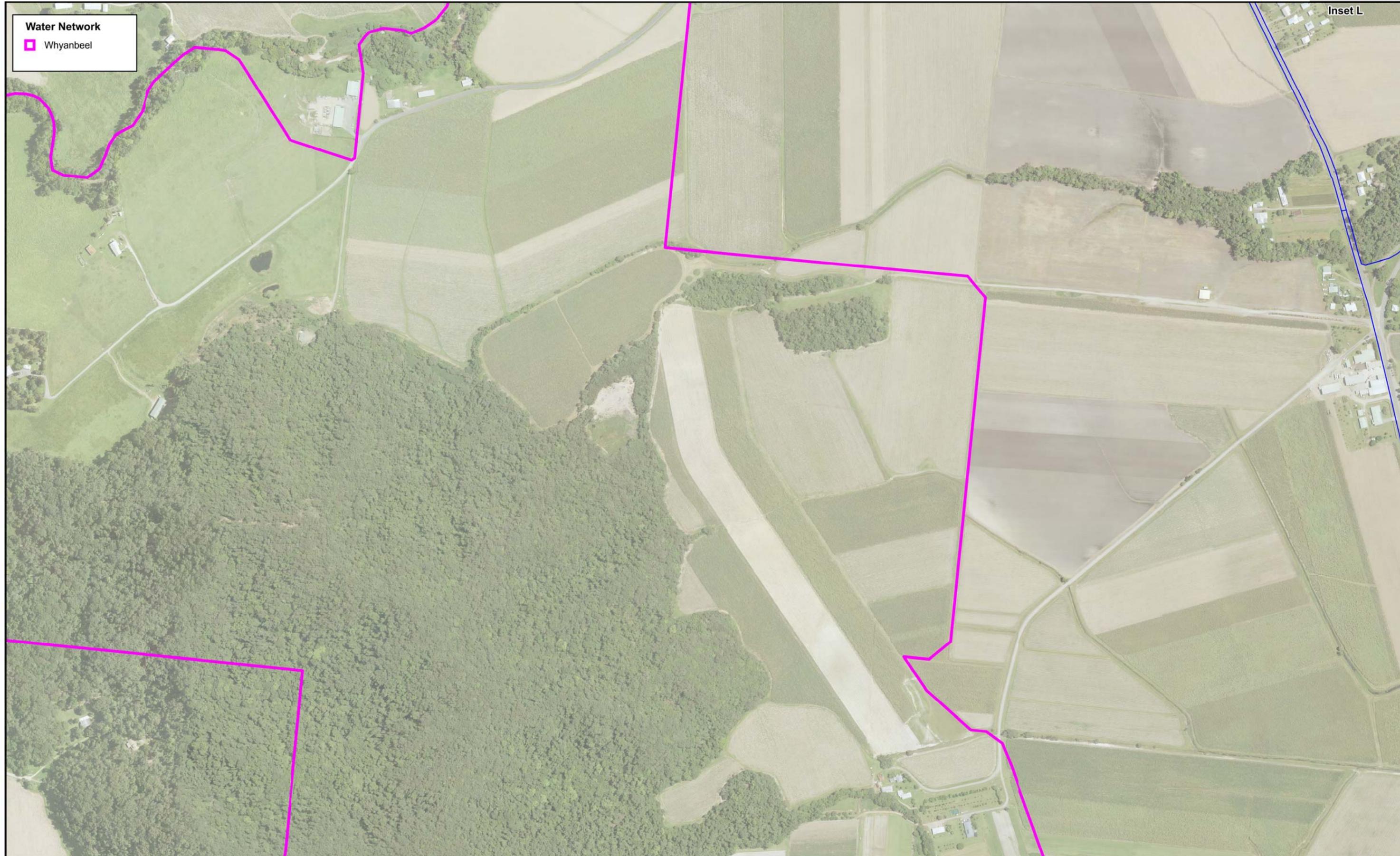
Scale 1cm = 60 m at A3
Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

476 of 611

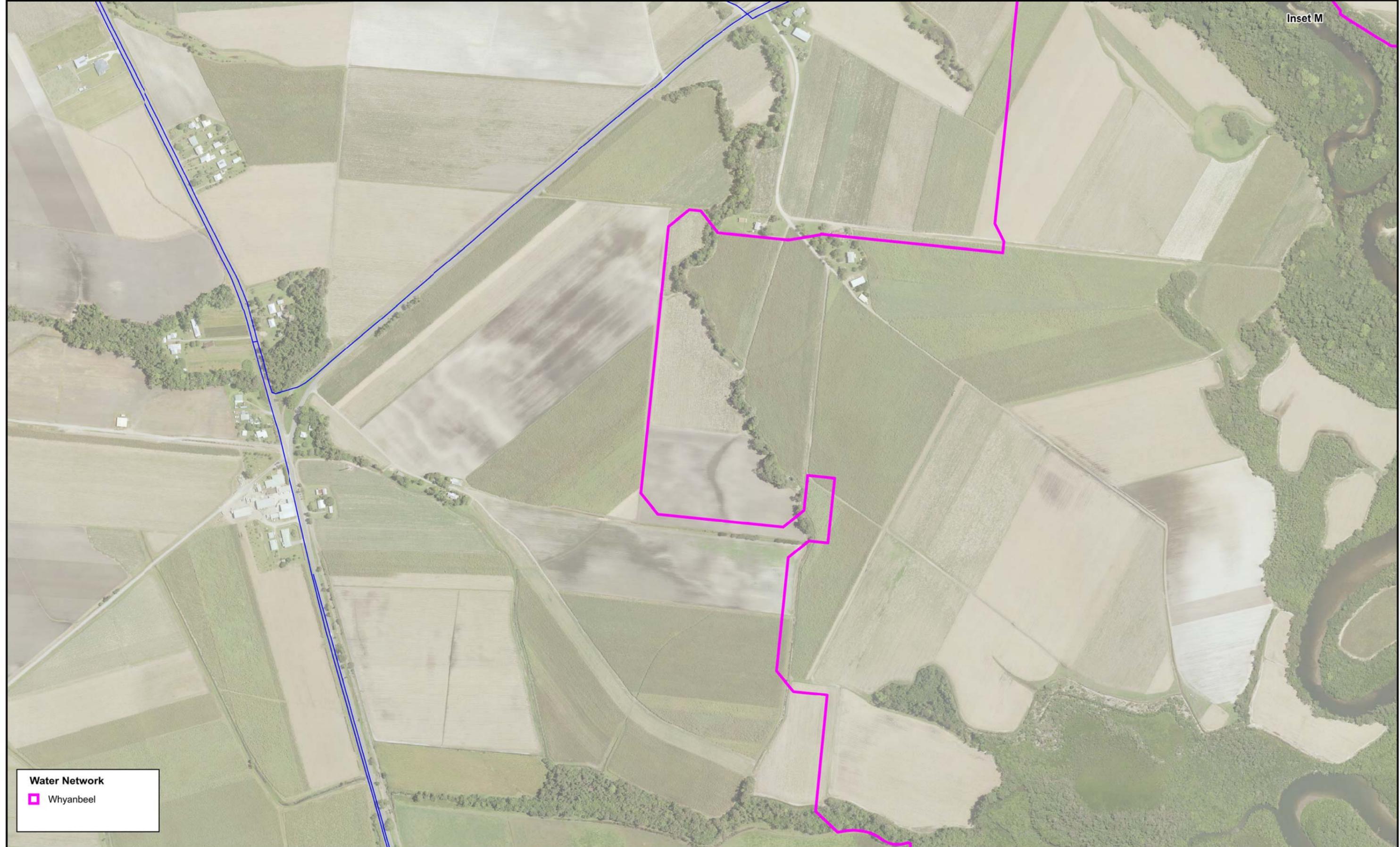


WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

477 of 611

Inset M



Water Network
■ Whyanbeel

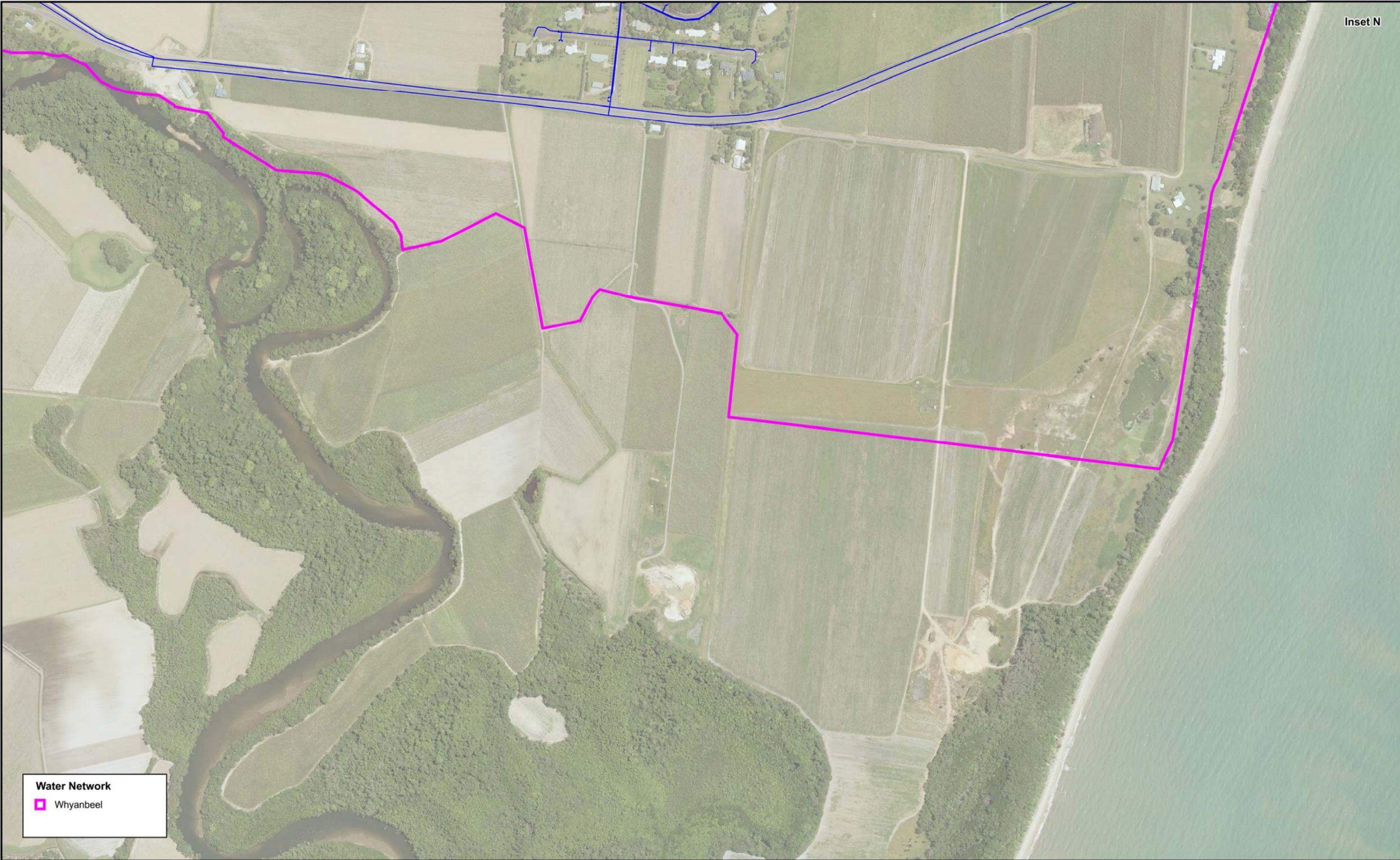


WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK

Attachment 5.6.10

478 of 611

Inset N



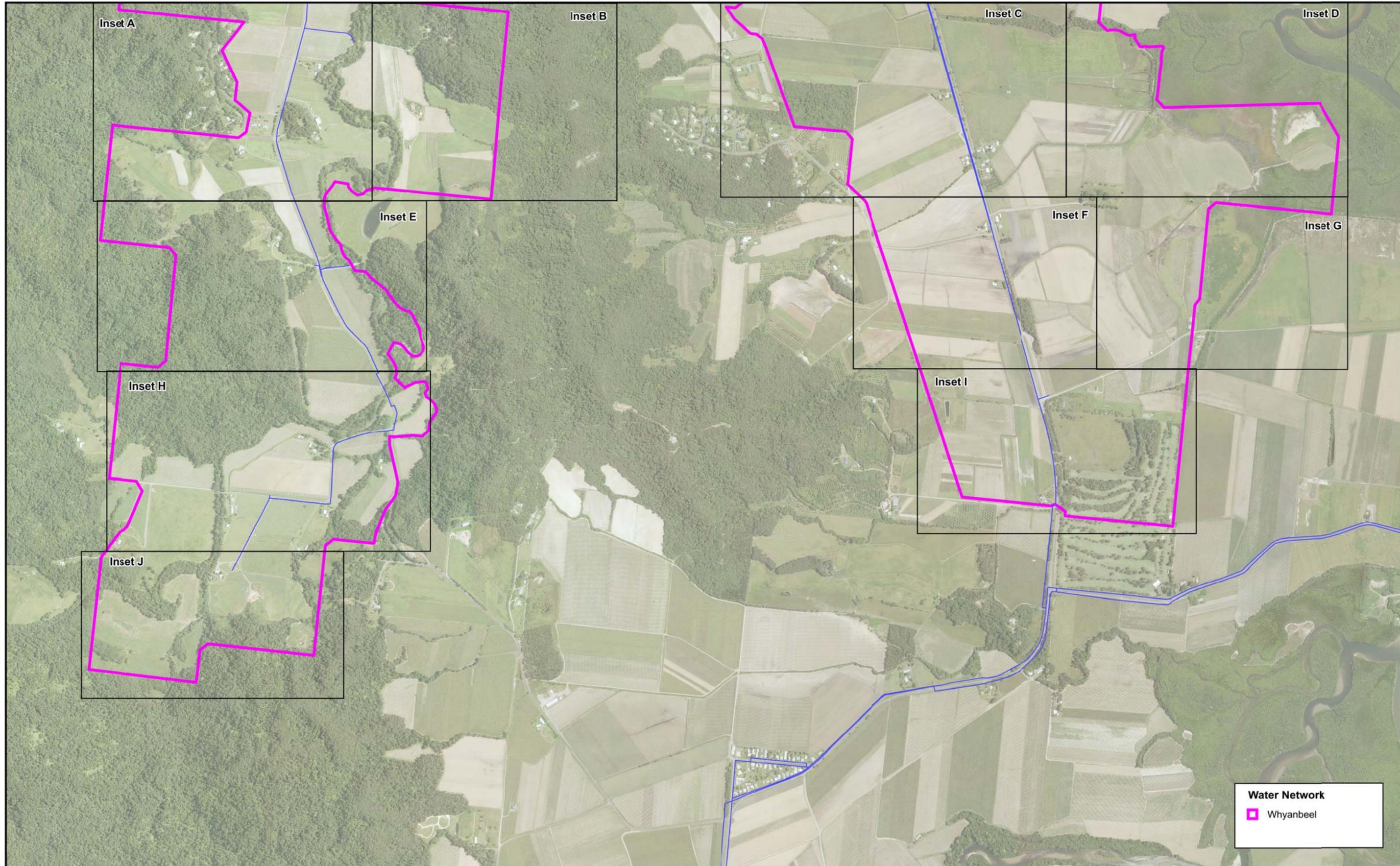
Water Network
■ Whyanbeel



WHYANBEEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

479.ppt



WHYANBEE - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

400 51

Inset A



Water Network
■ Whyanbeel



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

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Inset B



Water Network
■ Whyanbeel



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

482 of 611



Water Network
□ Whyanbeel



WHYANBEE - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

183 of 611



Water Network
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Scale 1cm = 40 m at A3

Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

48 of 111

Inset E



Water Network
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Scale 1cm = 45 m at A3
Map Grid of Australia
Zone 55 (GDA94)



WHYANBEE - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

485 of 111



Inset F

Water Network
■ Whyanbeel



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Scale 1cm = 40 m at A3

Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

Attachment 5.6.11

Inset G

Water Network
Whyanbeel

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Scale 1cm = 40 m at A3

Map Grid of Australia
Zone 55 (GDA94)



WHYANBEEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

487 of 611



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Scale 1cm = 40 m at A3
Map Grid of Australia
Zone 55 (GDA94)



WHYANBEE - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

Page 8 of 11



Water Network
■ Whyanbeel



WHYANBEEL - BAMBOO, ROCKY POINT, SYNDICATE AND MIALLO WATER NETWORK (BOTTOM SECTION)

Attachment 5.6.11

489 of 611



WHYANBEE WATER NETWORK - WONGA BEACH

Attachment 5.6.12

490 of 611

