

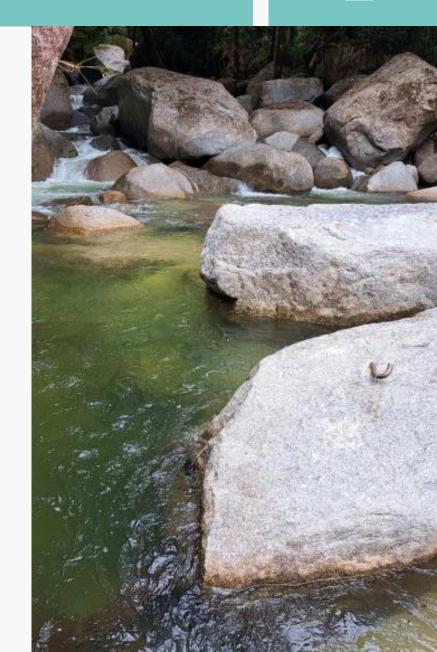
# TPDD Summer Preparedness Briefing - Water Update

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### Introduction

Today's presentation:

To provide an overview of water security planning for the 2024/25 wet season





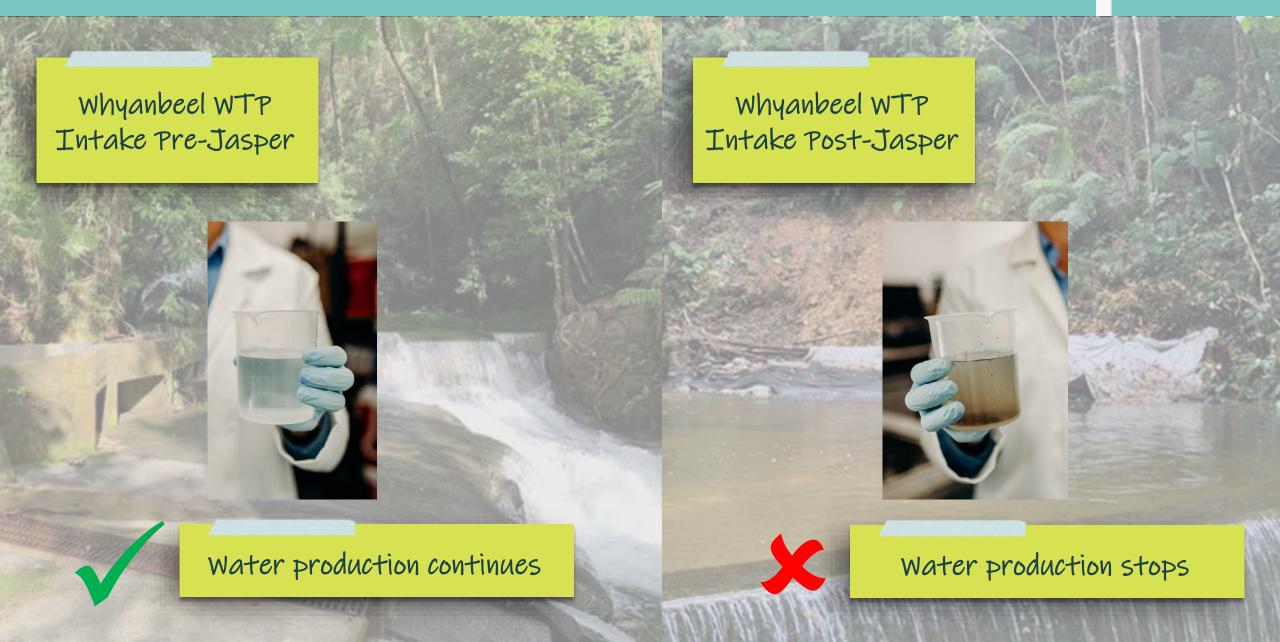
### Our Water Supply Network

- Daintree:
  - Daintree Township
- Mossman/Port Douglas:
  - Mossman, North Mossman, Port Douglas, Craiglie,
     Newell Beach, Cooya Beach, Cassowary, Mowbray
- Whyanbeel:
  - Whyanbeel, Miallo, Bamboo, Rocky Point, Port Douglas Views, Wonga Beach
- Our WTPs have successfully operated for more than 20 years without any loss of supply to the community













Increased breaks within the water network, contributing to high water losses. Caused by debris moved by flood waters, pressure fluctuations and ground movement



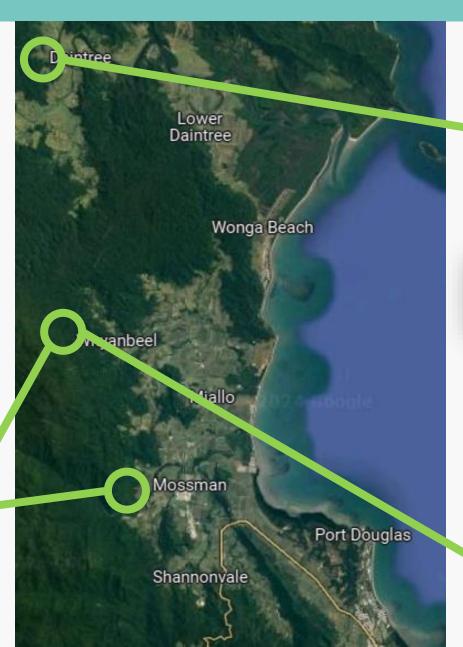


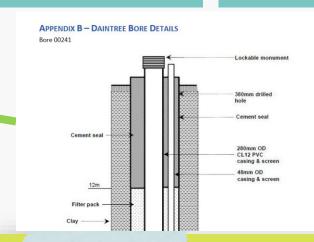




Membrane replacement works at the Mossman and Whyanbeel WTPs

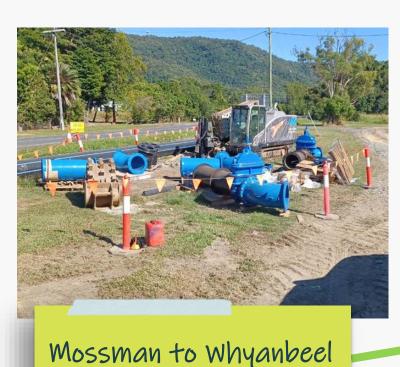




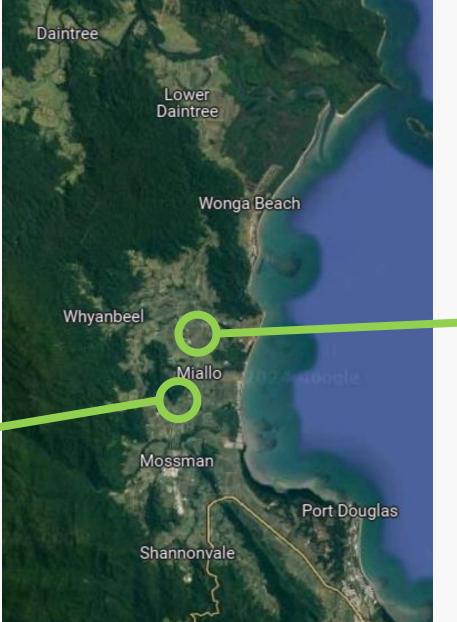


Bore supply to Daintree WTP



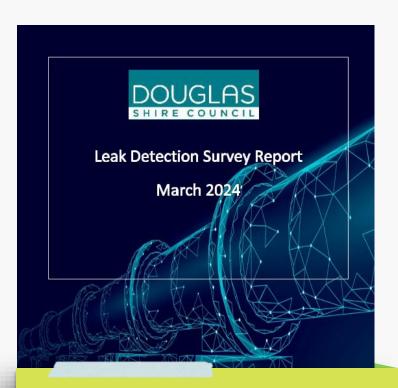


Interconnector

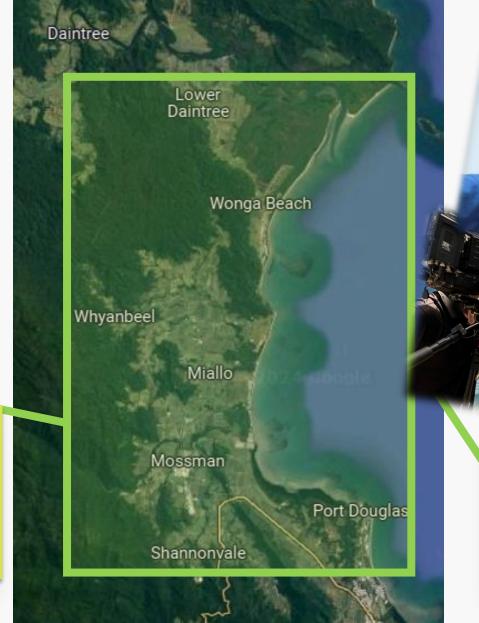








Water Mains Leak Detection and Priority Rectification Works (including River Under-boring)



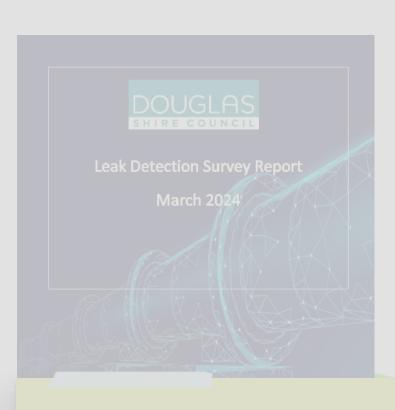
Community Engagement and Education

Douglas Shire Council

from?... See more

S Ever wondered where your water comes

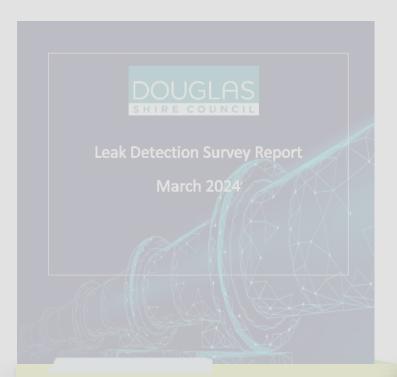




Water Mains Leak Detection and Priority Rectification Works (including River Under-boring)

DOUGLAS SHIRE COUNCIL





What are our options if water storage levels continue to fall during the wet season?



Water Mains Leak Detection and Priority Rectification Works (including River Under-boring)

DOUGLAS

### What can we do to prepare?



GET READY DOUGLAS In the lead-up to the wet season Council is encouraging residents to think about their families needs and how they can prepare.

#### **Get Prepared**

Ensure your family has a sufficient back up drinking water supply.

It is recommended your have a supply of 10 litres per person of water in sealed containers.

Ensure you have stored sufficient drinking water for your pets

Have buckets handy to collect rain water. This can be utilised to flush toilets, water for pets, wash clothes, wash dishes and other cleaning purposes.

#### Water Conservation Tips

A significant portion of our water supply is used for irrigation, pool filling, and other outdoor activities.

By focusing on reducing non-essential water usage in these areas, we can make a substantial impact on preserving our precious water resources, especially during times when our water supply systems need extra support.

Here are some tips on how you can conserve water around your home:



#### Make every drop count

Collect water as you are waiting for it to heat or cool, and then use it on your garden or put it in a bottle in your fridge.



#### Water only what grows

use a broom to sweep outdoor areas rather than hosing them down. Use a bucket if you need to wash the area.



### Emergency Restrictions

- Council has adopted an additional "Emergency Water Restrictions"
- Implemented only when there is an imminent risk of the community running out of potable water (i.e. triggered only when we are at imminent risk of running out of water if consumption isn't reduced)
- The intent is that these are "flash" restrictions, implemented rapidly to allow the WTPs to recover supply security and released as soon as possible when that has occurred





#### **Emergency Water Restriction**

Internal domestic use – drinking, cooking, toilet flushing, personal hygiene	Allowed at any time, with a target of no more than 100 L per person per day, E.g. limit showers to 2 minutes per person. Consider only flushing solid waste in toilets.
Washing machines	Limit if possible.
Fire fighting or other emergency purposes	Any time as reaso nably required.
Hospitals and medical services	Any time as reasonably required.
Schools/ Preschools/ Aged Cate	Any time as reaso nably required.
Food businesses	Minimise use if possible while meeting food safety requirements.
Supplying water for lives took and other animals	Any time as reaso nably required.
Outdoorwateruse by Council	Must not be used at any time.
Watering of plants, gardens and lawns	Must not be used at any time.
Use of manual sprinklers, automated sprinklers, micro-spray or drip watering irrigation systems	Must not be used at any time.
Private swimming pools, spas and portable paddling pools - filling or topping up	Must not be used at any time.
Waterfeatures (i.e. ponds, waterfountains and ornaments)	Must not be used at any time.



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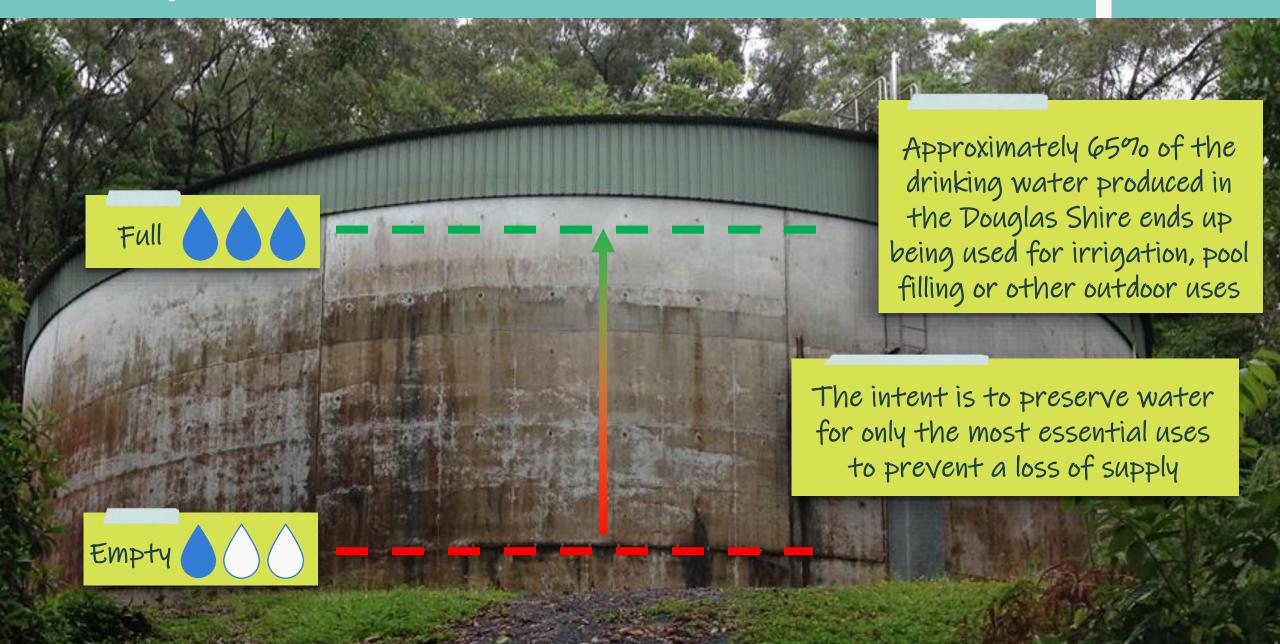
# EMERGENCY



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### Why do we think this will work?



### Emergency Restrictions

- It is important to release Emergency Restrictions as soon as possible
- All reservoirs should be back near maximum capacity before this occurs, and the restrictions relaxed to a level that still indicates the need to conserve water

# WATER RESTRICTIONS EMERGENCY



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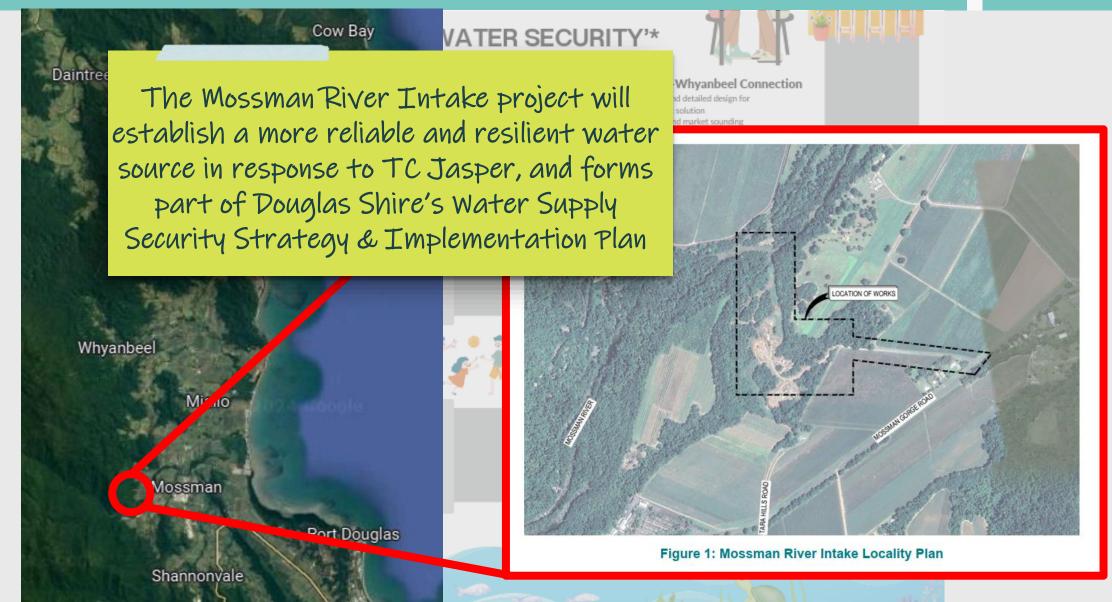


### Water Security Long-Term?





### Water Security Long-Term?





Questions?





