

# WAMURAN IRRIGATION SCHEME PROJECT NEWSLETTER

November 2022



Unitywater

Serving you today, investing in tomorrow.



Image supplied by Piñata Farms

## About the project

The Wamuran Irrigation Scheme will support the region's growth by sustainably managing wastewater from Unitywater's Caboolture South Sewage Treatment Plant (STP) to deliver Class A recycled water to farms in the Wamuran region.

In its first stages, the Scheme will deliver about 2.6 gigalitres of recycled water each year – the equivalent of 1050 Olympic swimming pools – to five farming operations in the region. As the population grows and the supply of Class A recycled water increases, more will be distributed and more growers from the region will be able to access the Scheme.

## Project need

This Scheme plays an important role in balancing population growth and sustainability.

The Wamuran Irrigation Scheme will see 11 tonnes of nitrogen and 1.8 tonnes of phosphorous diverted away from the Caboolture River each year.

## Construction update

Unitywater has made great progress over the last 10 months of construction. When completed, there will be 22km of pipe in the ground, supplying Class A recycled water to farms in the Wamuran region.

- Over 50 per cent of the new pipe has been laid.
- We have installed pipe up to 26 metres underground by using the latest drilling technology.
- A concrete slab at Moodlu Quarry will soon be poured ready for a 3 megalitre (3 million litres!) balance tank, which will store the treated recycled water before being distributed to farms.

Around 150 construction workers are currently on site across multiple work areas from Caboolture to Wamuran. Many of the team are local to the Moreton Bay region, with others travelling from the Sunshine Coast and Brisbane. Team members can be seen grabbing a coffee from their favourite spots along the way and at lunch time along King Street and in Wamuran, supporting local businesses.

To keep our team and the community safe we ensure traffic management and signage is in place around our work sites and construction zones.

Please be assured that our team is committed to minimising disruption to the local community for the duration of our work.

## Project Timeline



## For construction enquiries:

Call: 1300 629 170  
Email: [wamuran@pensar.com.au](mailto:wamuran@pensar.com.au)

Find out more at:  
[www.unitywater.com/wamuran](http://www.unitywater.com/wamuran)



Moodlu Quarry Pump Station - Artists' impression

## About the crops

Unitywater has considered a diverse range of crops, with an even mix of seasonal and day/night water requirements, so the scheme can maximise daily usage and cater for peak demands.

Initially, those set to benefit from the scheme include a number of raspberry, strawberry, pineapple, avocado and turf farmers.

The Class A recycled water produced by the Scheme will go through a rigorous treatment, disinfection and testing process before being used to irrigate crops.

Unitywater is working closely with Queensland Health and the Department of Regional Development, Manufacturing and Water to ensure it complies with all state and national public health and food safety regulations as the Scheme progresses.



Strawberry crops at Piñata Farms

## What's next?

### Before the end of 2022

- Installing pipe by drilling under Caboolture State High School.
- Finishing off open trench works through the Wamuran area, reinstating to a similar condition to before works started.

### Early 2023

- Installing pipe under the Caboolture River using the latest underground drilling techniques.
- Installing pipe by drilling under the Caboolture rail line.
- Open trenching and drilling in the Caboolture area to install underground pipes.
- Finishing construction of a floating pump station in Moodlu Quarry.
- Building a 3 megalitre balance tank at Moodlu Quarry.
- Completing the distribution pipeline (by April 2023).

### After construction finishes

- Unitywater will enter a 13 week monitoring and validation period, to demonstrate reliable operation of the entire Scheme.
- Regular water quality testing will take place to make sure the treated water is safe to irrigate onto crops.

Unitywater is working closely with Queensland Health and the Department of Regional Development, Manufacturing and Water to ensure it complies with all state and national public health and food safety regulations.

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**Powell Road to Piñata Farms**  
October to December 2022

**Powell Road, north of King Road**  
November 2022 to January 2023

**Ziviani and Powell Road intersection**  
October to November 2022

**Lord Lane to Turnbull Road**  
November 2022 to March 2023

**Turnbull Road**  
December 2022 to February 2023

**Quarry Road to D'Aguilar Highway (Rail Trail)**  
October to December 2022

### ***Moodlu Quarry floating pump station***

Moodlu Quarry will be used for mid-stream balancing storage to ensure that surplus water is held to meet peak seasonal crop demand of up to three times current daily production. Moodlu Quarry is critical to the success of the Scheme and is now an active construction zone.

When completed, Moodlu Quarry will house a floating pontoon pump station and supporting infrastructure including an additional water storage tank and on-ground pump station.

For the safety of the community, unauthorised access is strictly prohibited and will be enforced.



*Thank you for your patience as we build this Scheme to support the growing greater Caboolture region and the local agriculture industry.*

**Drilling under Caboolture rail line and construction along Beerburum Road**  
December 2022 - February 2023

**Railway Parade and Grout Street**  
October to December 2022

**Park Street to Duncan Street**  
November 2022 to January 2023

**Drilling under Caboolture State High School**  
October 2022

**Mewett Street**  
January to February 2023

**Drilling under Caboolture River**  
January to February 2023

**Drilling under Market Drive**  
November to December 2022

